

State of California
The Resources Agency

DEPARTMENT OF WATER RESOURCES
Division of Operations and Maintenance

STATE WATER PROJECT OPERATIONS DATA

For the month of:
September
2011

Edmund G. Brown Jr.
Governor
State of California

John Laird
Secretary for Resources
The Resources Agency

Mark Cowin
Director
Department of Water Resources

This monthly report of operational data for the State Water Project has been published since January 1965. Monthly SWP Operations Data Reports from January 1990 have been made available on the Internet at <http://www.water.ca.gov/swp/operationscontrol/projectwide.cfm>. It provides the State Water Service Contractors, public agencies, consultants and others with the daily and monthly status of the Project's water and power operations.

Revisions to these data will appear in the Annual Report of Operations reflecting corrections made after the monthly summaries have been printed.

Printed copies of these reports may be available for a fee.
For details, please contact

State of California
Department of Water Resources
P.O. Box 942836
Sacramento, CA 94236-0001

Or call the DWR Publications Desk at (916) 653-1097

Please direct questions and comments regarding the contents of this report to the Operations Records and Reports Section at (916) 574-2333.

State of California
The Resources Agency

DEPARTMENT OF WATER RESOURCES
Division of Operations and Maintenance

STATE WATER PROJECT OPERATIONS DATA



For the month of:
September
2011

Edmund G. Brown Jr.
Governor
State of California

John Laird
Secretary for Resources
The Resources Agency

Mark Cowin
Director
Department of Water Resources

State of California
EDMUND G. BROWN JR., Governor

The Resources Agency
JOHN LAIRD, Secretary for Resources

Department of Water Resources
MARK COWIN, Director

Department of Water Resources
DALE HOFFMAN-FLOERKE, Chief Deputy Director

PAUL HELLIKER Deputy Director	GARY BARDINI Deputy Director	CARL TORGERSEN Deputy Director	JOHN PACHECO Deputy Director	KATHIE KISHABA Deputy Director
-------------------------------------	------------------------------------	--------------------------------------	------------------------------------	--------------------------------------

DIVISION OF OPERATIONS AND MAINTENANCE

David Duval..... Chief, Division of Operations and Maintenance

This report was prepared under the direction of

David Roose..... Office Chief, Operations Control Office

John Leahigh..... Principal Engineer, Water Operations office

Tracy Hinojosa Branch Chief, Regulatory Compliance and Reporting Branch

By the Reporting Section

(Vacant)..... Section Chief, Reporting Section

Michael Nolasco..... Water Resources Engineering Associate (Specialist)

Mary Valdez Water Resources Engineering Associate (Specialist)

Clay Thomas Water Resources Engineering Associate (Specialist)

The organization shown above represents staff and positions relevant to this report as of publication date on October 2013. It is the Department's policy to not show staff in "Acting" or "Temporary" positions.

Table of Contents

	Page
Organization Page.....	ii
Table of Contents	iii
Monthly Highlights	1
 Oroville Field Division Water Operations	
Table	Page
1 Antelope Lake, Daily Operation.....	2
2 Frenchman Lake, Daily Operation.....	3
3 Lake Davis, Daily Operation.....	4
4 Lake Oroville, Daily Operation.....	5
5 Thermalito Forebay, Including Diversion Pool and Power Canal, Daily Operation.....	6
6 Thermalito Afterbay, Daily Operation	7
7 Oroville-Thermalito Complex, Water Temperature Data	8
 Delta Field Division Water Operations	
8 North Bay Aqueduct, Delta Field Division	9
9 Delta Field Division Plant Data.....	10
10 Clifton Court Forebay, Daily Operation of Gates.....	11
11 Governor Edmund G. Brown California Aqueduct, Delta Field Division, Monthly Deliveries	12
12 South Bay Aqueduct, Delta Field Division, Monthly Deliveries	13
13 Lake Del Valle, Daily Operation	14
 San Luis Field Division Water Operations	
14 Consolidated State-Federal O'Neill Forebay, Daily Operations	15
15 Consolidated State-Federal San Luis Reservoir, Daily Operations	16
16 San Luis Field Division Plant Data	17
17 Consolidated State-Federal Los Banos Reservoir, Daily Operations	18
18 Consolidated State-Federal Little Panoche Reservoir, Daily Operations	19
19 Governor Edmund G. Brown California Aqueduct, San Luis Field Division, Monthly Deliveries.....	20
20 Consolidated State-Federal San Luis Canal, Daily Operations	22
 San Joaquin Field Division Water Operations	
21 San Joaquin Field Division Plant Data	23
22 Governor Edmund G. Brown California Aqueduct, San Joaquin Field Division, Monthly Deliveries.....	24
23 Governor Edmund G. Brown California Aqueduct, San Joaquin Field Division, Monthly Deliveries (Coastal Branch).....	27

Southern Field Division Water Operations

24	Southern Field Division Plant Data.....	28
25	Pyramid Lake, Daily Operation.....	29
26	Elderberry Forebay, Daily Operation.....	30
27	Castaic Lake, Daily Operation.....	31
28	Governor Edmund G. Brown California Aqueduct, Southern Field Division, Monthly Deliveries (West Branch).....	32
29	Silverwood Lake, Daily Operation	33
30	Lake Perris, Daily Operation	34
31	Governor Edmund G. Brown California Aqueduct, Southern Field Division, Monthly Deliveries (East Branch).....	35

Water Quality Operations

32	Water Quality at Selected SWP Locations	37
33	Water Quality at Selected Delta Stations	38
34	Pesticides, Herbicides, and Other Organic Substances Detected in the SWP.....	39

Energy Operations

35	Oroville and Delta Field Divisions Energy Data	40
36	San Luis Field Division Energy Data	41
37	San Joaquin Field Division Pumping Plant Energy Load Data	42
38	Southern Field Division Energy Data	43

MONTHLY HIGHLIGHTS

The following activities highlight actions that affected State Water Project operations during September 2011:

Statewide precipitation was about 135 percent of average for the 2010 - 2011 water-year through September 30. Precipitation percentages are used in this report to express historical and regional comparisons. Additional and more specific information is available on the internet at: http://cdec.water.ca.gov/snow_rain.html".

Snowpack data is compiled four times annually, for the months of January, February, March, and April, by the California Department of Water Resources in Bulletin 120. The Bulletin also contains forecasts of seasonal runoff volume from the state's major watersheds, summaries of precipitation, and reservoir storages in various regions of the State.

September snowpack data is not available.

Cumulative unimpaired runoff for the Sacramento River Region for the 2010 - 2011 water-year was 25.1 maf, 138 percent of average. Statewide runoff for the 2010 - 2011 water-year was 145 percent of average.

Statewide reservoir storage was 130 percent of average to date. Total storage in major SWP reservoirs at the end of September was about 4.50 maf compared to 2.72 maf at this time in 2010. On September 30, end-of-month storage at Lake Oroville was about 3.04 maf, as compared to 1.76 maf at this time in 2010. The State share of San Luis Reservoir's end-of-month storage was about 874 taf, as compared with 414 taf at this time in 2010. The combined storage in SWP's southern reservoirs was about 585 taf, compared with about 555 taf at this time in 2010.

SWP water deliveries to date through September were about 3.9 maf. Water deliveries are a combination of project, transfer, and exchange classifications. Total deliveries through this same period in 2010 were 2.75 maf.

COA accounting remained suspended at zero in September. Conditions in the Delta remained in "Excess". Excess conditions exist when upstream reservoir releases plus unregulated natural flow exceed Sacramento Valley in-basin uses, plus exports.

There were five measurable earthquakes in September within the vicinity of the SWP. Castaic Dam and the Santa Ana Pipeline required inspection. No visible damage was found. On September 5, lightning storms forced units at Las Perillas, Devils Den, and Bluestone Plants out of service. On September 29, flow in Pools 50 and 51 was restricted to zero for missing person search by L.A. County Sheriff dive team.

Table 1. Antelope Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 22,566 ac-ft

September 2011

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage	Total Outflow		
				Stream-flow Maint.	Water Supply Contract	Water Right					
Aug 31	5000.96	21,611									
1	5000.92	21,575	-36	20	0	0	0	6	26	8	
2	5000.87	21,530	-45	20	0	0	0	6	26	3	
3	5000.84	21,503	-27	20	0	0	0	6	26	12	
4	5000.81	21,476	-27	20	0	0	0	6	26	12	
5	5000.76	21,431	-45	20	0	0	0	6	26	3	
6	5000.73	21,404	-27	20	0	0	0	6	26	12	
7	5000.69	21,368	-36	20	0	0	0	6	26	8	
8	5000.65	21,332	-36	20	0	0	0	6	26	8	
9	5000.61	21,296	-36	20	0	0	0	6	26	8	
10	5000.57	21,260	-36	20	0	0	0	6	26	8	
11	5000.55	21,242	-18	20	0	0	0	6	26	17	
12	5000.53	21,224	-18	20	0	0	0	6	26	17	
13	5000.49	21,188	-36	20	0	0	0	6	26	8	
14	5000.44	21,144	-44	20	0	0	0	6	26	4	
15	5000.39	21,099	-45	20	0	0	0	6	26	3	
16	5000.35	21,063	-36	20	0	0	0	6	26	8	
17	5000.31	21,028	-35	20	0	0	0	6	26	8	
18	5000.27	20,992	-36	20	0	0	0	6	26	8	
19	5000.24	20,965	-27	20	0	0	0	6	26	12	
20	5000.19	20,921	-44	20	0	0	0	6	26	4	
21	5000.15	20,886	-35	20	0	0	0	5	25	7	
* 22	5000.09	20,832	-54	20	0	0	0	5	25	-2	
23	5000.07	20,815	-17	20	0	0	0	5	25	16	
24	5000.01	20,762	-53	20	0	0	0	5	25	-2	
25	4999.97	20,718	-44	20	0	0	0	5	25	3	
26	4999.93	20,683	-35	20	0	0	0	5	25	7	
27	4999.89	20,647	-36	20	0	0	0	5	25	7	
28	4999.85	20,612	-35	20	0	0	0	5	25	7	
29	4999.80	20,568	-44	20	0	0	0	5	25	3	
30	4999.75	20,524	-44	20	0	0	0	5	25	3	
Total cfs-days				---	600	0	0	0	170	770	222
Total ac-ft				-1,087	1,190	0	0	0	338	1,528	441

* Estimated daily values.

Table 2. Frenchman Lake

Daily Operation
(in acre-feet except as noted)

Capacity: 55,477 ac-ft

September 2011

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage	Total Outflow		
				Stream-flow Maint.	1/ Water Supply Contract	Water Right					
Aug 31	5582.66	47,439									
1	5582.56	47,296	-143	0	70	0	0	9	79	7	
2	5582.45	47,138	-158	0	70	0	0	9	79	-1	
3	5582.35	46,996	-142	0	62	0	0	9	71	-1	
4	5582.26	46,867	-129	0	54	0	0	9	63	-2	
5	5582.15	46,711	-156	0	54	0	0	9	63	-16	
6	5582.06	46,583	-128	0	51	0	0	9	60	-5	
7	5581.97	46,456	-127	0	58	0	0	9	67	3	
8	5581.86	46,300	-156	0	63	0	0	9	72	-7	
9	5581.74	46,131	-169	0	68	0	0	9	77	-8	
10	5581.63	45,976	-155	0	68	0	0	9	77	-1	
11	5581.52	45,821	-155	1	68	0	0	9	78	0	
12	5581.44	45,709	-112	1	61	0	0	9	71	15	
13	5581.36	45,597	-112	1	48	0	0	9	58	2	
14	5581.31	45,527	-70	1	37	0	0	9	47	12	
15	5581.24	45,429	-98	1	31	0	0	9	41	-8	
16	5581.19	45,359	-70	2	20	0	0	9	31	-4	
17	5581.18	45,345	-14	2	9	0	0	9	20	13	
18	5581.16	45,317	-28	2	9	0	0	9	20	6	
19	5581.13	45,275	-42	2	10	0	0	9	21	0	
20	5581.11	45,247	-28	2	11	0	0	9	22	8	
21	5581.09	45,212	-35	2	11	0	0	9	22	4	
22	5581.08	45,206	-6	2	12	0	0	9	23	20	
23	5581.05	45,164	-42	2	15	0	0	9	26	5	
24	5580.97	45,052	-112	2	18	0	0	9	29	-27	
25	5580.91	44,969	-83	2	18	0	0	9	29	-13	
26	5580.85	44,886	-83	2	18	0	0	9	29	-13	
27	5580.81	44,830	-56	2	18	0	0	9	29	1	
28	5580.78	44,789	-41	2	18	0	0	8	28	7	
29	5580.76	44,761	-28	2	18	0	0	8	28	14	
30	5580.72	44,706	-55	2	18	0	0	8	28	0	
Total cfs-days				---	35	1,086	0	0	267	1,388	
Total ac-ft				-2,733	69	2,154	0	0	530	2,754	

1/ Last Chance Creek Water District.

Table 3. Lake Davis

Daily Operation

(in acre-feet except as noted)

Capacity: 84,371 ac-ft

September 2011

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs							Computed Inflow (cfs)
				Regulated Release			Spill	Estimated Evaporation And Seepage	Total Outflow		
				Stream-flow Maint.	Water Right 1/	Water Supply Contract 2/					
Aug 31	5770.82	68,440									
1	5770.79	68,332	-108	14	2	1	0	24	41	-13	
2	5770.76	68,224	-108	14	2	1	0	24	41	-13	
3	5770.73	68,116	-108	14	2	1	0	24	41	-13	
4	5770.71	68,044	-72	14	2	1	0	24	41	5	
5	5770.68	67,937	-107	14	2	1	0	24	41	-13	
6	5770.66	67,865	-72	13	3	1	0	24	41	5	
7	5770.64	67,793	-72	13	3	1	0	24	41	5	
8	5770.62	67,722	-71	12	4	1	0	24	41	5	
9	5770.59	67,614	-108	12	4	1	0	24	41	-13	
10	5770.55	67,472	-142	12	4	1	0	24	41	-31	
11	5770.55	67,472	0	12	4	1	0	24	41	41	
12	5770.54	67,436	-36	12	4	1	0	24	41	23	
13	5770.53	67,400	-36	12	4	1	0	24	41	23	
14	5770.51	67,329	-71	12	4	1	0	24	41	5	
15	5770.49	67,257	-72	12	4	1	0	24	41	5	
16	5770.48	67,222	-35	12	4	1	0	24	41	23	
17	5770.46	67,151	-71	11	5	1	0	24	41	5	
18	5770.43	67,044	-107	11	5	1	0	24	41	-13	
19	5770.39	66,901	-143	11	5	1	0	24	41	-31	
20	5770.38	66,866	-35	7	5	5	0	24	41	24	
21	5770.35	66,759	-107	10	5	2	0	24	41	-12	
22	5770.32	66,653	-106	10	6	1	0	24	41	-12	
23	5770.30	66,582	-71	10	6	1	0	24	41	5	
24	5770.27	66,476	-106	10	6	1	0	24	41	-12	
25	5770.25	66,405	-71	10	6	1	0	24	41	5	
26	5770.22	66,299	-106	10	6	1	0	24	41	-12	
27	5770.20	66,228	-71	10	6	1	0	24	41	5	
28	5770.18	66,157	-71	10	6	1	0	24	41	5	
29	5770.16	66,087	-70	10	6	1	0	24	41	6	
30	5770.14	66,016	-71	10	6	1	0	24	41	5	
Total cfs-days				---	344	132	35	0	719	1,230	8
Total ac-ft				-2,424	682	261	69	0	1,426	2,439	15

1/ Includes unclassified non-project diversions to local agencies (Valberti and Romelli).

2/ Includes 60 AF to Grizzly Ranch and 9 AF to Plumas County.

Table 4. Lake Oroville

Daily Operation

(in acre-feet except as noted)

Capacity: 3,537,580 ac-ft

September 2011

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow							Inflow	
				Hyatt Powerplant Generation 1/	Palermo Canal 2/	Lime Saddle Marina	Butte County Del Oro	Evaporation 3/	Spill	Total Outflow	Hyatt Powerplant Pumpback	Computed Inflow 4/
Aug 31	885.33	3,311,103										
	1	884.88	3,304,325	-6,778	11,939	24	0	0	319	0	12,282	0
	2	884.09	3,292,449	-11,876	15,503	24	0	0	366	0	15,893	0
	3	883.39	3,281,952	-10,497	15,825	24	0	0	303	0	16,152	0
	4	882.71	3,271,777	-10,175	15,946	24	0	0	303	0	16,273	0
	5	882.04	3,261,775	-10,002	15,776	24	0	0	475	0	16,275	0
	6	881.39	3,252,092	-9,683	16,114	24	0	0	422	0	16,560	0
	7	880.73	3,242,281	-9,811	16,121	24	0	0	401	0	16,546	0
	8	880.03	3,231,899	-10,382	14,172	24	0	0	401	0	14,597	0
	9	879.72	3,227,312	-4,587	9,165	24	0	0	359	0	9,548	0
	10	879.44	3,223,171	-4,141	9,315	24	0	0	349	0	9,688	0
	11	879.07	3,217,705	-5,466	9,278	24	0	0	299	0	9,601	0
	12	878.55	3,210,033	-7,672	11,864	24	0	0	428	0	12,316	0
	13	878.06	3,202,816	-7,217	11,904	24	0	0	219	0	12,147	0
	14	877.47	3,194,141	-8,675	13,877	24	0	0	317	0	14,218	0
	15	876.77	3,183,871	-10,270	16,024	24	0	0	277	0	16,325	0
	16	875.99	3,172,454	-11,417	16,021	24	0	0	267	0	16,312	0
	17	875.68	3,167,925	-4,529	9,472	24	0	0	246	0	9,742	0
	18	875.40	3,163,838	-4,087	10,038	24	0	0	246	0	10,308	0
	19	874.79	3,154,947	-8,891	13,194	24	0	0	285	0	13,503	0
	20	874.26	3,147,237	-7,710	13,065	24	0	0	334	0	13,423	0
	21	873.73	3,139,540	-7,697	12,311	24	0	0	382	0	12,717	0
	22	872.85	3,126,789	-12,751	12,419	24	0	0	372	0	12,815	0
	23	872.37	3,119,849	-6,940	12,326	24	0	1	410	0	12,761	0
	24	871.89	3,112,921	-6,928	9,592	24	0	1	243	0	9,860	0
	25	871.46	3,106,723	-6,198	9,359	24	0	1	175	0	9,559	0
	26	870.85	3,097,946	-8,777	14,076	24	0	1	320	0	14,421	0
	27	869.92	3,084,599	-13,347	14,095	24	0	1	116	0	14,236	0
	28	869.04	3,072,007	-12,592	16,677	24	0	1	261	0	16,963	0
	29	868.04	3,057,742	-14,265	16,651	21	0	1	308	0	16,981	0
	30	867.14	3,044,943	-12,799	16,616	20	1	1	0	0	16,638	0
Total		-266,160	398,735	713	1	8	9,203	0	408,660	0	142,500	

1/ Includes bypass flows

2/ South Feather Water and Power Agency

3/ Evaporation will be zero for days when there is precipitation or heavy overcast.

4/ Does not include pumpback.

**Table 5. Thermalito Forebay
Including Diversion Pool and Power Canal**

Daily Operation

(in acre-feet except as noted)

September 2011

Capacity: 25,120 ac-ft

Date	Storage 1/	Storage Change	Inflow			Outflow					Losses (-) And Gains (+)
			Lake Oroville Releases 2/	Kelly Ridge Generation	Thermalito Pumping- Generating Plant Pumpback	Thermalito Pumping- Generating Plant Generation 3/	Butte County Cal Water	Thermalito Irrigation District	Releases To River 4/	Hyatt Powerplant Pumpback	
Aug 31	24,528										
1	24,066	-462	11,939	471	0	11,993	10	9	1,404	0	544
2	24,312	246	15,503	480	0	14,172	10	9	1,398	0	-148
3	24,765	453	15,825	445	0	14,418	10	9	1,394	0	14
4	24,484	-281	15,946	486	0	15,285	10	9	1,396	0	-13
5	24,533	49	15,776	486	0	15,327	10	9	1,400	0	533
6	24,318	-215	16,114	486	0	15,829	10	9	1,400	0	433
7	24,669	351	16,121	482	0	15,027	10	9	1,398	0	192
8	24,777	108	14,172	407	0	13,620	10	9	1,404	0	572
9	24,659	-118	9,165	484	0	9,055	10	9	1,408	0	715
10	24,487	-172	9,315	470	0	9,145	10	9	1,414	0	621
11	24,261	-226	9,278	484	0	9,299	10	9	1,416	0	746
12	23,971	-290	11,864	485	0	11,912	10	9	1,416	0	708
13	24,358	387	11,904	486	0	11,297	10	9	1,418	0	731
14	24,463	105	13,877	486	0	13,447	10	9	1,450	0	658
15	24,251	-212	16,024	486	0	15,590	10	9	1,418	0	305
16	24,053	-198	16,021	448	0	15,460	10	9	1,416	0	228
17	23,615	-438	9,472	486	0	9,761	10	9	1,420	0	804
18	24,011	396	10,038	486	0	8,885	10	9	1,412	0	188
19	23,991	-20	13,194	447	0	13,143	10	9	1,410	0	911
20	24,019	28	13,065	484	0	12,559	10	9	1,547	0	604
21	24,180	161	12,311	403	0	11,848	10	9	1,394	0	708
22	24,465	285	12,419	484	0	11,764	10	9	1,406	0	571
23	24,133	-332	12,326	482	0	12,188	10	9	1,402	0	469
24	24,102	-31	9,592	482	0	9,145	10	9	1,404	0	463
25	24,336	234	9,359	484	0	9,106	10	9	1,416	0	932
26	23,439	-897	14,076	485	0	14,142	10	9	1,422	0	125
27	23,191	-248	14,095	485	0	13,829	10	9	1,432	0	452
28	23,898	707	16,677	477	0	15,060	10	9	1,432	0	64
29	23,884	-14	16,651	481	0	15,657	10	9	1,430	0	-40
30	23,642	-242	16,616	486	0	15,937	13	1	1,448	0	55
Total		-886	398,735	14,224	0	383,900	303	262	42,525	0	13,145

1/ Sum of Thermalito Forebay and Diversion Pool.

2/ Sum of releases from Lake Oroville through Hyatt plant, and spill.

3/ Includes Bypass flows at Thermalito.

4/ The sum of the flows from fish barrier dam and the fish hatchery.

Table 6. Thermalito Afterbay

Daily Operation

(in acre-feet except as noted)

Capacity: 57,040 ac-ft

September 2011

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow					Losses (-) and Gains (+)	Total Releases to River 2/
				Thermalito Pumping-Generating Plant Generation 1/	Sutter Butte Canal	Western Canal Lateral	Richvale Canal	Western Canal	Afterbay River Outlet	Thermalito Pumping-Generating Plant Pumpback		
Aug 31	132.42	40,664										
1	131.97	39,011	-1,653	11,993	2,638	22	496	1,083	8,688	0	-719	10,092
2	132.26	40,072	1,061	14,172	2,479	20	436	1,018	8,688	0	-470	10,086
3	132.66	41,559	1,487	14,418	2,380	16	355	958	8,688	0	-534	10,082
4	133.34	44,143	2,584	15,285	2,321	16	339	924	8,708	0	-393	10,104
5	133.82	46,011	1,868	15,327	2,281	17	337	865	8,688	0	-1,271	10,088
6	134.56	48,952	2,941	15,829	2,222	14	307	750	8,688	0	-907	10,088
7	135.15	51,355	2,403	15,027	2,122	12	290	621	8,688	0	-891	10,086
8	135.51	52,846	1,491	13,620	2,023	12	288	555	8,688	0	-563	10,092
9	134.86	50,168	-2,678	9,055	1,843	10	236	492	8,688	0	-464	10,096
10	134.29	47,870	-2,298	9,145	1,718	9	206	438	8,688	0	-384	10,102
11	133.72	45,619	-2,251	9,299	1,718	9	218	434	8,688	0	-483	10,104
12	133.82	46,011	392	11,912	1,678	6	153	367	8,688	0	-628	10,104
13	133.59	45,112	-899	11,297	1,624	3	123	264	9,223	0	-959	10,641
14	133.87	46,208	1,096	13,447	1,567	2	127	214	9,679	0	-762	11,129
15	134.51	48,751	2,543	15,590	1,476	1	135	180	9,679	0	-1,576	11,097
16	135.46	52,638	3,887	15,460	1,398	0	117	163	9,679	0	-216	11,095
17	134.93	50,453	-2,185	9,761	1,335	0	93	147	9,679	0	-692	11,099
18	134.22	47,592	-2,861	8,885	1,271	0	93	145	9,679	0	-558	11,091
19	134.60	49,114	1,522	13,143	1,186	0	93	143	9,679	0	-520	11,089
20	134.76	49,761	647	12,559	1,142	0	93	147	9,679	0	-851	11,226
21	134.74	49,680	-81	11,848	1,142	0	93	145	9,679	0	-870	11,073
22	134.75	49,720	40	11,764	1,142	0	93	145	9,679	0	-665	11,085
23	134.51	48,751	-969	12,188	1,115	0	93	234	11,227	0	-488	12,629
24	132.96	42,690	-6,061	9,145	1,095	0	91	288	13,627	0	-105	15,031
25	131.06	35,765	-6,925	9,106	1,067	0	89	286	13,646	0	-943	15,062
26	130.62	34,243	-1,522	14,142	1,079	0	87	319	13,646	0	-533	15,068
27	130.08	32,418	-1,825	13,829	1,045	0	87	349	13,646	0	-527	15,078
28	129.83	31,589	-829	15,060	996	0	87	347	13,646	0	-813	15,078
29	129.86	31,688	99	15,657	984	0	87	381	13,646	0	-460	15,076
30	129.98	32,085	397	15,937	948	0	87	397	13,646	0	-462	15,094
Total		-8,579		383,900	47,040	169	5,430	12,800	307,340	0	-19,700	349,865

1/ Includes Bypass flows at Thermalito.

2/ The sum of the flows from the fish barrier dam, fish hatchery, and afterbay river outlet.

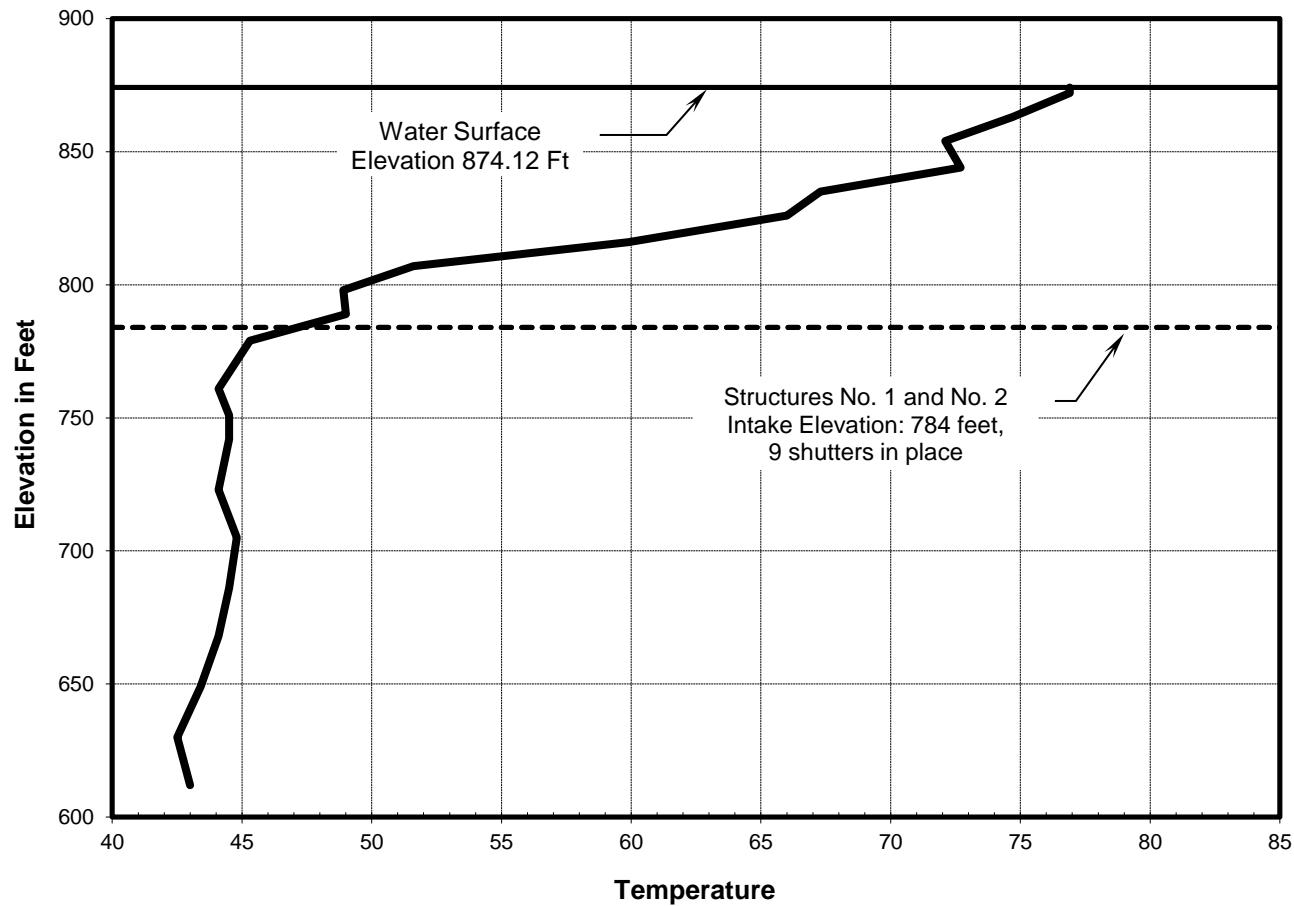
Table 7. Oroville-Thermalito Complex

Water Temperature Data

(in degrees Fahrenheit)

September 2011

Date	Mean Daily Temperature	
	Thermalito Afterbay Outlet	Fish Hatchery
1	66.7	55
2	65.7	54
3	65	54
4	64.1	55
5	61.9	55
6	61.5	55
7	61	55
8	60.7	54
9	62	54
10	61.2	54
11	60.8	55
12	61.2	55
13	62.4	55
14	62.4	55
15	60.6	55
16	60.4	55
17	60.6	55
18	61.1	56
19	61.6	56
20	61.1	54
21	61.1	53
22	61.4	53
23	61.3	54
24	60	54
25	58.1	53
26	58.8	53
27	58.5	54
28	57.9	54
29	57.9	55
30	57.5	55

**Lake Oroville Temperature Profile
on September 21, 2011**

Note: Water surface elevations on Table 4 are taken at Oroville Dam at midnight and may differ slightly from those shown on this table which are normally taken at mid-day and upstream from Oroville Dam.

Table 8. North Bay Aqueduct
Delta Field Division, Monthly Deliveries

September 2011

(In acre-feet)

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Table A	Permit	Settlement	Article 21	Other		
	No.	Structure	Mile									
1	1	Barker Slough Pumping Plant	0.17	(Into the North Bay Aqueduct)	6,221	100	100	900	247	272		
		Travis Surge Tank	8.78									
			8.80	Solano County Water Agency Travis AFB	347							
			10.54	Solano County Water Agency Fairfield / Vacaville 24"	372							
				Solano County Water Agency Fairfield / Vacaville 42"	1,948	34	34	5	850	927		
			17.00	Solano County Water Agency Central Solano	Stub							
3A	2	Cordelia Forebay	21.23			100	400	804	3,438	984		
		Cordelia Pumping Plant & Cordelia Spillway	21.30									
		Napa Pipeline	21.33	Solano County Water Agency Vallejo	984							
				Solano County Water Agency Benicia	1,327							
		Cordelia Surge Tank	23.33			5	5	804	318	27.27		
		Creston Surge Tank Connection	25.65									
3B	2		26.95	Napa County Flood Control & WCD American Canyon 2	5	218	100	218	100	27.27		
			27.27	Napa County Flood Control & WCD American Canyon 3	0							
		Napa Terminal Tank	27.58	City of Napa	804							
			27.60	Napa County Flood Control & WCD American Canyon 1	318							

Table 9. Delta Field Division Plant Data

(in acre-feet)

September 2011

Date	North Bay Aqueduct		California Aqueduct		South Bay Aqueduct			
	Barker Slough Pumping Plant	Cordelia Pumping Plant	Banks Pumping Plant		South Bay Pumping Plant	Del Valle Pumping Plant		
			Total	SWP		Into Lake	Into Aqueduct	Gravity Flow Through Plant Into Aqueduct
1	161	78	14,016	14,016	522	0	0	0
2	187	95	14,016	14,016	539	0	0	0
3	200	114	14,016	14,016	538	0	0	0
4	192	102	13,970	13,970	519	0	0	0
5	189	107	14,016	14,016	526	0	0	0
6	202	113	14,016	14,016	535	0	0	0
7	196	107	14,016	14,016	481	0	0	13
8	173	92	14,016	14,016	546	0	0	3
9	185	95	14,016	14,016	561	0	0	0
10	209	111	14,490	14,490	536	0	0	0
11	194	102	14,780	14,780	517	0	0	0
12	200	105	14,449	14,449	537	0	0	0
13	208	109	14,081	14,081	510	0	0	0
14	174	75	13,904	13,904	527	0	0	0
15	153	70	14,072	14,072	512	0	0	0
16	180	92	14,003	14,003	526	0	0	0
17	194	100	13,945	13,945	503	0	0	0
18	205	115	14,072	14,072	533	0	0	0
19	235	131	14,072	14,072	539	0	0	1
20	262	156	14,072	14,072	512	0	0	18
21	275	162	14,050	14,050	537	0	0	0
22	227	123	14,062	14,062	533	0	0	0
23	255	164	14,065	14,065	492	0	0	0
24	246	156	14,072	14,072	537	0	0	0
25	229	140	14,072	14,072	532	0	0	0
26	221	129	14,072	14,072	538	0	0	0
27	216	125	14,072	14,072	529	0	0	0
28	227	127	14,072	14,072	533	0	0	0
29	222	126	14,072	14,072	537	0	0	0
30	204	117	14,072	14,072	523	0	0	0
Total	6,221	3,438	422,719	422,719	15,810	0	0	35

Table 10. Clifton Court Forebay

Daily Operation of Gates

September 2011

Date	Time										Amount of inflow in Acre-Feet
	Opened	Closed									
1	00:01	03:15	06:15	13:48	17:48	19:15	22:15	23:25			14,219
2	00:01	04:15	07:15	20:00	23:00						14,202
3		05:15	08:15	16:16	18:15	21:00					14,224
4	00:01	06:30	09:30	17:15	18:40	22:15					14,231
5	01:00	07:45	10:45	18:48	21:29	23:03					14,224
6	02:00	08:35	12:35	20:22	21:33						14,208
7		00:46	03:15	09:45	12:45						14,224
8		10:45	13:45	22:30							14,220
9	00:01	02:45	05:15	09:25	10:45	11:30	14:30	21:30			14,220
10	00:01	03:45	06:00	12:00	15:00	21:30					14,224
11	00:01	04:15	06:45	12:45	15:45	20:50					14,235
12	00:01	05:00	07:30	13:15	16:15	21:40					14,233
13	00:01	05:30	08:15	17:45	20:30						14,222
14		02:15	05:15	18:15	20:30	22:30					14,228
15	00:20	02:45	05:45	18:15	21:15	22:35					14,230
16	00:30	03:15	06:15	19:15	22:00	23:00					14,245
17	00:30	04:00	07:00	19:45	22:30	23:00					14,241
18	00:20	04:45	07:45	20:30							14,225
19	00:01	05:45	08:45	21:05							14,227
20	00:15	06:45	11:27	21:30							14,239
21	01:15	08:00	11:00	20:45							14,224
22	02:15	10:25	12:00	20:35							14,228
23	00:01	01:15	03:15	10:00	13:20	22:00					14,234
24	00:01	02:15	04:30	10:45	13:45	22:10					14,238
25	00:01	03:00	05:30	11:28							14,237
26	00:25	03:45	06:15	12:00	15:00						14,236
27		04:30	07:15	16:45	19:45						13,376
28		01:15	04:15	17:15	20:15	22:45					14,220
29	00:25	02:00	05:00	18:00	21:00	23:15					14,225
30	00:15	03:00	06:00	18:45	21:30	22:15					14,229
Total inflow for the month in AF:											425,968

Table 11. Governor Edmund G. Brown California Aqueduct

Delta Field Division, Monthly Deliveries

(In acre-feet)

September 2011

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending		Mile			Table A	USBR	Local Other	Article 56C	Other		
	No.	Structure										
1A			1.83	Byron-Bethany I.D.	0							
1	1	Banks Pumping Plant	3.32		422,719		36	2,819				
		South Bay Pumping Plant	4.49	Bethany Reservoir (Into the South Bay Aquaduct)	15,810							
		Check No. 1	5.95									
			8.08	Alameda Co. Zone 7 WA Mountain House Golf Course	0							
	2	Check No. 2	12.01									
			12.47	Musco Olive	36							
		Check No. 3	18.29									
	3		22.16	Tracy Golf & Country Club	0							
		Check No. 4	23.99									
		Check No. 5	29.73									
		Check No. 6	34.24									
2A	7		35.22	Turlock Fruit Company Inflow	0		58	133				
		Check No. 7	39.91									
	8		42.46	Oak Flat Water District-A	58							
			42.9	Western Hills WD	133							
			43.81	Oak Flat Water District-B	42							
			44.64	Oak Flat Water District-C	22							
		Check No. 8	45.97		0							
	9		46.18	Oak Flat Water District-D	42							
				Oak Flat Totals:	164							
2B	Check No. 9	51.3					164	0	0	0		
	Check No. 10	56.86										
	Check No. 11	61.4										
		66.14	Veteran's Cemetery		36							
	Check No. 12	66.71			6,411							

Table 12. South Bay Aqueduct
Delta Field Division, Monthly Deliveries

(In acre-feet)

September 2011

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		No.			Table A	Local	Article 56C	Other	Recreation	
	No.	Structure	Mile								
1	1	South Bay Pumping Plant	0.00	(into South Bay Aqueduct)	15,810	5	280	1,268	19	19	
			3.17	Granite - Vasco Rd. (Temp.)	0						
			3.18	Oakland Scavenger Zone 7	5						
		Check No. 1	3.91								
	2	Check No. 2	5.21			280	1,268	1,268	1,268	1,268	
			7.21	Zone 7 Water Agency Altamont	280						
				Zone 7 Water Agency Patterson							
2	3			Storage Exchange Project Water	0	175	122	35	35	35	
		Check No. 3	9.49		1,268						
		4	Check No. 4	10.68							
	4	5	Check No. 5	12.29		175	122	35	35	35	
				13.55	Zone 7 Water Agency Wente #1						
				14.16	Zone 7 Water Agency Wente #2						
				14.31	Zone 7 Water Agency Ising						
		6	Check No. 6	14.65							
				14.78	Zone 7 Water Agency Arroyo Mocho Project Water						
3	8	7	Check No. 7	16.38		630	92	84	84	84	
				16.57	Zone 7 Water Agency Wente #3						
				16.63	Zone 7 Water Agency Wente #4						
				16.69	Zone 7 Water Agency Norman Nursery						
				16.70	Zone 7 Water Agency Concannon Project Water						
					Pumped into Lake Del Valle						
					Pumped into South Bay Aqueduct						
					Gravity into South Bay Aqueduct						
						373	251	19	19	19	
					Zone 7 Water Agency Arroyo Valle #1 & #2 Project Water						
5					Storage Exchange Inflow Release						
						373	251	19	19	19	
					East Bay Regional Park Dist. Del Valle Recreation						
6					Zone 7 Water Agency Wente #5	96	2,833	63	63	63	
					Zone 7 Water Agency So. Livermore Project Storage Exchange Project Water						
7					Zone 7 - Kalthrof Detjens	96	2,316	7,212	7,212	7,212	
					ACWD - Vallecitos Project Water						
8					City of San Francisco San Antonio	2,316	7,212	7,212	7,212	7,212	
					ACWD - Bayside 1 & 2 Project Water Storage Exchange						
9					S.C.V.W.D. Meter	7,212	7,212	7,212	7,212	7,212	

Table 13. Lake Del Valle

Daily Operation

Capacity: 77,106 ac-ft

September 2011

Date	Water Surface Elevation (feet)	Storage	Storage Change	Inflow		Outflow					Precipitation (inches)
				Natural 1/	From South Bay Aqueduct	Arroyo Valle	South Bay Aqueduct 2/	Recreation Deliveries 3/	Evaporation	Total Outflow	
Aug 31	702.45	39,526									
1	702.42	39,505	-21	-10	0	0	0	1	10	11	0.00
2	702.39	39,484	-21	-5	0	0	0	1	15	16	0.00
3	702.36	39,463	-21	-3	0	0	0	1	17	18	0.00
4	702.33	39,442	-21	-5	0	0	0	1	15	16	0.00
5	702.30	39,421	-21	-9	0	0	0	1	11	12	0.00
6	702.28	39,407	-14	2	0	0	0	1	15	16	0.00
7	702.23	39,372	-35	-2	0	0	13	1	19	33	0.00
8	702.18	39,337	-35	-15	0	0	3	1	16	20	0.00
9	702.16	39,323	-14	3	0	0	0	1	16	17	0.00
10	702.11	39,288	-35	-20	0	0	0	1	14	15	0.00
11	702.08	39,267	-21	-6	0	0	0	1	14	15	0.00
12	702.05	39,246	-21	-9	0	0	0	1	11	12	0.00
13	702.02	39,225	-21	-10	0	0	0	1	10	11	0.00
14	701.99	39,204	-21	-10	0	0	0	1	10	11	0.00
15	701.97	39,190	-14	-3	0	0	0	1	10	11	0.00
16	701.90	39,141	-49	-36	0	0	0	1	12	13	0.00
17	701.89	39,134	-7	4	0	0	0	1	10	11	0.00
18	701.86	39,113	-21	-6	0	0	0	1	14	15	0.00
19	701.83	39,092	-21	-5	0	0	1	1	14	16	0.00
20	701.78	39,057	-35	-1	0	0	18	0	16	34	0.00
21	701.75	39,036	-21	-4	0	0	0	0	17	17	0.00
22	701.72	39,015	-21	-5	0	0	0	0	16	16	0.00
23	701.69	38,994	-21	-7	0	0	0	0	14	14	0.00
24	701.66	38,973	-21	-5	0	0	0	0	16	16	0.00
25	701.63	38,953	-20	-7	0	0	0	0	13	13	0.00
26	701.60	38,932	-21	-16	0	0	0	0	5	5	0.00
27	701.59	38,925	-7	2	0	0	0	0	9	9	0.00
28	701.55	38,897	-28	-15	0	0	0	0	13	13	0.00
29	701.52	38,876	-21	-5	0	0	0	0	16	16	0.00
30	701.50	38,862	-14	-2	0	0	0	0	12	12	0.00
Total				-664	-211	0	0	35	19	399	453
1/ Total inflow from stream gaging station above Lang Canyon and accretions/depletions.											
2/ Project water released to South Bay Aqueduct through Del Valle Pumping Plant.											
3/ To East Bay Regional Park District.											
NR=No Records											

Table 14. Consolidated State-Federal O'Neill Forebay

Daily Operations

September 2011

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity 56,430 ac-ft

Date	Water Surface Elevation (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)				Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)	
				Pump In 1/	O'Neill Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	California Aqueduct	O'Neill Pumping Generating Plant (Generation)	Gianelli Pumping Generating Plant (Pumped)	Dos Amigos Pumping Plant	Deliveries 2/		
Aug 31	223.41	52,142											
1	223.02	51,100	-1,042	0	1,045	0	6,492	0	0	8,365	7	310	
2	222.86	50,673	-427	0	1,140	1,910	6,465	0	0	9,797	7	74	
3	223.30	51,848	1,175	0	1,584	1,910	6,345	0	0	9,228	7	-12	
4	223.55	52,518	670	0	1,598	0	6,325	0	0	7,633	7	55	
5	223.67	52,840	322	0	1,530	0	6,436	0	0	7,943	7	146	
6	224.20	54,266	1,426	0	1,637	1,029	6,328	0	0	8,237	7	-31	
7	224.01	53,754	-512	0	1,395	950	6,463	0	789	8,341	7	71	
8	223.49	52,357	-1,397	0	1,280	0	6,528	0	0	8,484	5	-23	
9	223.22	51,634	-723	0	1,439	0	6,328	0	0	8,313	5	186	
10	222.80	50,513	-1,121	0	1,648	0	6,276	0	1,701	6,935	5	152	
11	222.66	50,139	-374	0	1,912	0	6,630	0	1,700	7,172	5	146	
12	222.95	50,913	774	0	1,851	0	6,785	0	1,700	6,685	5	144	
13	222.35	49,314	-1,599	0	1,656	0	6,290	0	1,700	7,240	5	193	
14	221.74	47,703	-1,611	0	1,238	0	6,398	0	1,685	6,897	6	140	
15	220.73	45,054	-2,649	0	1,087	0	6,475	0	1,677	7,369	9	157	
16	219.91	42,919	-2,135	0	1,399	0	6,281	0	1,665	7,292	9	210	
17	219.61	42,145	-774	0	1,751	0	6,237	0	1,660	6,925	9	216	
18	219.43	41,682	-463	0	1,902	0	6,293	0	1,650	6,868	9	99	
19	219.98	43,100	1,418	0	1,621	0	6,344	0	481	6,864	9	104	
20	220.98	45,708	2,608	0	1,310	0	6,415	0	0	6,524	9	123	
21	221.45	46,941	1,233	0	1,202	0	6,404	0	0	7,140	9	165	
22	221.99	48,360	1,419	0	1,115	0	6,413	0	0	6,993	13	193	
23	222.52	49,767	1,407	0	1,224	0	6,396	0	0	7,074	13	176	
24	222.52	49,767	0	0	1,329	0	6,437	0	1,680	6,191	13	118	
25	222.24	49,022	-745	0	1,303	0	6,514	0	1,680	6,697	13	197	
26	222.09	48,624	-398	0	1,407	0	6,516	0	1,688	6,576	13	153	
27	222.09	48,624	0	0	1,581	0	6,400	0	1,670	6,417	13	119	
28	222.00	48,385	-239	0	1,547	0	6,366	24	1,670	6,439	13	113	
29	221.51	47,099	-1,286	0	1,393	0	6,420	72	1,662	6,808	13	94	
30	221.15	46,154	-945	0	1,449	0	6,343	12	1,660	6,953	13	370	
Total				-5,988	0	43,573	5,799	192,343	108	28,118	220,400	265	4,158
Mean cfs				---	0	1,452	193	6,411	4	937	7,347	9	139
Acre-feet				-5,988	0	86,430	11,501	381,515	214	55,772	437,164	525	8,241

1/ Pump-in located at Mile 79.67R.

1/ Includes 98 AF delivered to DFG at O'Neill Forebay, 1 AF to Parks and Recreation and 0 AF to Cattle Program.

Table 15. Consolidated State-Federal San Luis Reservoir

Daily Operations

September 2011

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity: 2,027,835 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)			Computed Losses (-) Gains (+) (cfs)
				Gianelli Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	Pacheco Tunnel 1/	Parks and Rec. Del.		
Aug 31	498.71	1,492,906							
1	498.65	1,492,220	-686	0	0	199	0	-147	
2	498.30	1,488,221	-3,999	0	1,910	199	0	93	
3	497.93	1,483,997	-4,224	0	1,910	192	0	-28	
4	497.87	1,483,312	-685	0	0	177	0	-168	
5	497.84	1,482,970	-342	0	0	186	0	14	
6	497.61	1,480,347	-2,623	0	1,029	218	0	-75	
7	497.52	1,479,321	-1,026	789	950	221	0	-135	
8	497.45	1,478,523	-798	0	0	219	0	-183	
9	497.39	1,477,839	-684	0	0	214	0	-131	
10	497.55	1,479,663	1,824	1,701	0	211	0	-570	
11	497.81	1,482,628	2,965	1,700	0	170	0	-35	
12	498.02	1,485,024	2,396	1,700	0	202	0	-290	
13	498.28	1,487,992	2,968	1,700	0	204	0	0	
14	498.51	1,490,620	2,628	1,685	0	232	0	-128	
15	498.74	1,493,249	2,629	1,677	0	226	0	-126	
16	498.92	1,495,308	2,059	1,665	0	257	0	-370	
17	499.14	1,497,826	2,518	1,660	0	249	0	-142	
18	499.37	1,500,459	2,633	1,650	0	236	0	-87	
19	499.44	1,501,261	802	481	0	271	0	194	
20	499.43	1,501,146	-115	0	0	265	0	207	
21	499.37	1,500,459	-687	0	0	251	0	-95	
22	499.31	1,499,772	-687	0	0	231	0	-115	
23	499.25	1,499,085	-687	0	0	246	0	-100	
24	499.40	1,500,803	1,718	1,680	0	247	0	-567	
25	499.59	1,502,980	2,177	1,680	0	219	0	-363	
26	499.83	1,505,731	2,751	1,688	0	216	0	-85	
27	500.07	1,508,484	2,753	1,670	0	225	0	-57	
28	500.30	1,511,124	2,640	1,670	0	239	0	-100	
29	500.53	1,513,765	2,641	1,662	0	237	0	-94	
30	500.74	1,516,179	2,414	1,660	0	237	0	-206	
Total		23,273		28,118	5,799	6,696	0	-3,889	
Mean cfs		---		937	193	223	0	-130	
Acre-feet		23,273		55,772	11,501	13,280	0	-7,718	

1/ Pacheco Tunnel, San Felipe Split; Santa Clara 9,783 AF, Casa De Fruta 0 AF, and San Benito 941 AF.

Table 16. San Luis Field Division Plant Data

(in acre-feet)

September 2011

Date	Dos Amigos Pumping Plant		Gianelli Pumping - Generating Plant				San Felipe Project
	Total Pumping	SWP Pumping 1/ 2/	Total Generation	SWP Generation 1/ 2/	Total Pumping	SWP Pumping 1/ 2/	Federal
1	16,591	14,148	0	0	0	0	394
2	19,433	16,995	3,788	-147	0	0	395
3	18,304	13,863	3,788	168	0	0	380
4	15,140	10,440	0	0	0	0	351
5	15,755	11,072	0	0	0	0	369
6	16,338	11,836	2,041	267	0	0	433
7	16,545	12,079	1,884	106	1,564	1,564	438
8	16,828	14,377	0	0	0	0	435
9	16,489	14,042	0	0	0	0	424
10	13,755	11,320	0	0	3,374	3,374	418
11	14,225	11,716	0	0	3,372	24	338
12	13,259	10,837	0	0	3,372	3,372	400
13	14,361	11,907	0	0	3,372	3,372	404
14	13,681	11,252	0	0	3,343	3,343	460
15	14,616	12,174	0	0	3,326	5	448
16	14,463	12,042	0	0	3,303	2,477	510
17	13,736	11,352	0	0	3,293	3,293	493
18	13,623	11,204	0	0	3,273	3,273	468
19	13,615	11,257	0	0	955	955	538
20	12,940	11,049	0	0	0	0	526
21	14,163	12,287	0	0	0	0	498
22	13,871	11,983	0	0	0	0	459
23	14,031	12,613	0	0	0	0	487
24	12,279	10,869	0	0	3,332	-33	490
25	13,284	11,680	0	0	3,332	7	434
26	13,044	11,680	0	0	3,348	6	428
27	12,728	11,367	0	0	3,312	3,312	446
28	12,771	11,385	0	0	3,312	1	475
29	13,504	12,098	0	0	3,296	2,472	471
30	13,792	12,390	0	0	3,293	-57	470
Total	437,164	363,314	0	0	0	0	13,280

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping;
adjustments to SWP water shares are made to balance the mismatch.

2/ Provisional, subject to change.

Table 17. Consolidated State-Federal Los Banos Reservoir

Daily Operations
September 2011

United States
Department of the Interior
Bureau of Reclamation
Central Valley Project

State of California
The Resources Agency
Department of Water Resources
State Water Project

Capacity 34,560 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
Aug 31	326.15	19,809					
1	326.14	19,804	-5	0	0	0	-5
2	326.11	19,790	-14	0	0	0	-14
3	326.09	19,781	-9	0	0	0	-9
4	326.06	19,767	-14	0	0	0	-14
5	326.05	19,763	-4	0	0	0	-4
6	326.02	19,749	-14	0	0	0	-14
7	326.00	19,740	-9	0	0	0	-9
8	325.98	19,731	-9	0	0	0	-9
9	325.97	19,726	-5	0	0	0	-5
10	325.97	19,726	0	0	0	0	0
11	325.91	19,699	-27	0	0	0	-27
12	325.89	19,689	-10	0	0	0	-10
13	325.88	19,685	-4	0	0	0	-4
14	325.85	19,671	-14	0	0	0	-14
15	325.81	19,653	-18	0	0	0	-18
16	325.78	19,639	-14	0	0	0	-14
17	325.76	19,630	-9	0	0	0	-9
18	325.75	19,625	-5	0	0	0	-5
19	325.74	19,621	-4	0	0	0	-4
20	325.73	19,616	-5	0	0	0	-5
21	325.71	19,607	-9	0	0	0	-9
22	325.68	19,593	-14	0	0	0	-14
23	325.68	19,593	0	0	0	0	0
24	325.68	19,593	0	0	0	0	0
25	325.68	19,593	0	0	0	0	0
26	325.59	19,552	-41	0	0	0	-41
27	325.58	19,548	-4	0	0	0	-4
28	325.58	19,548	0	0	0	0	0
29	325.58	19,548	0	0	0	0	0
30	325.52	19,520	-28	0	0	0	-28
Total			-289	0	0	0	-289
Mean cfs			---	0	0	0	---
Acre-feet			-289	0	0	0	-289

Table 18. Consolidated State-Federal Little Panoche Reservoir

Daily Operations

September 2011

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

Capacity: 5,580 ac-ft

State of California

The Resources Agency

Department of Water Resources

State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
Aug 31	602.20	803					
1	Not Observed						
2	602.20	803	0	0	0	0	0
3	Not Observed						
4	Not Observed						
5	Not Observed						
6	Not Observed						
7	Not Observed						
8	Not Observed						
9	602.20	803	0	0	0	0	0
10	Not Observed						
11	Not Observed						
12	Not Observed						
13	Not Observed						
14	Not Observed						
15	Not Observed						
16	Not Observed						
17	Not Observed						
18	Not Observed						
19	Not Observed						
20	Not Observed						
21	Not Observed						
22	Not Observed						
23	602.20	803	0	0	0	0	0
24	Not Observed						
25	Not Observed						
26	Not Observed						
27	Not Observed						
28	Not Observed						
29	Not Observed						
30	602.20	803	0	0	0	0	0
Total			0	0	0	0	0
Mean cfs			---	0	0	0	---
Acre-feet			0	0	0	0	0

Table 19. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries

(In acre-feet)

September 2011

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Mile			USBR	Transfer	DWR Recreation	USBR Recreation		
	No.	Structure									
2B	12	Check No. 12	66.71		6,411						
3A		San Luis Reservoir		Department of Parks and Recreation	0	10,816					
				San Felipe Division Santa Clara Water District	10,816						
				Casa de Fruta Santa Clara Water District	0						
				San Felipe Division San Benito Water District	2,464						
				Reach 3A Subtotal:	13,280		13,280	0	0		
3	13	O'Neill Forebay	70.85	Department of Parks and Recreation	1	1	1	0			
				Cattle Program				54	44		
				Department of Fish & Game	98						
		Thru	70.91	San Luis Water District	425	425					
			85.08	(Floodwater Inflow)	0						
				Reach 3 Subtotal:	524	425	0	55	44		
		Dos Amigos Pumping Plant	86.73		7,347						
4	14		89.03	San Luis Water District	3,751	3,751					
			Thru 94.06								
			89.66	Pacheco Water District	565		565				
			Thru 89.67								
			89.68	Panoche Water District	51			51			
		Check No. 14	89.70	City of Dos Palos	138	138					
			95.06								
			98.15	San Luis Water District	340		340				
			Thru 104.20								
			96.15	Panoche Water District	1,401						
4	15		102.64	(Floodwater Inflow)	0	1,401					
			102.64	Broadview Water District	0						
			105.22	Westlands Water District	8,193		8,193				
			Thru 108.64								
			Check No.15	108.50							
				Reach 4 Subtotal:	14,439	14,439	0	0	0		
				San Felipe Division Total:	13,280	13,280	0	0	0		
				Pacheco Water District Total:	565	565	0	0	0		
				Broadview Water District Total:	0	0	0	0	0		
				City of Dos Palos Total:	138	138	0	0	0		
				SLWD Reach 4 Subtotal:	4,091	4,091	0	0	0		
				Panoche Water District Total:	1,452	1,452	0	0	0		
				SLWD Total:	4,516	4,516	0	0	0		
				Westlands WD Reach 4 Subtotal:	8,193	8,193	0	0	0		

Table 19. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries (Continued)

(In acre-feet)

September 2011

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
		Beginning and Ending				USBR	Transfer	DWR Recreation	USBR Recreation			
	No.	Structure	Mile									
5	16			(Reverse flow, Kings River)	0	11,889		0	0			
				110.52	Westlands Water District	11,889						
				Thru	Dept. of Fish and Game @ Lat. 4L							
				122.05	Dept. of Fish and Game @ Lat. 6L							
					Dept. of Fish and Game @ Lat. 7L							
			Check No. 16	122.07								
	17			124.18	Westlands Water District	8,912	8,912					
				Thru 132.74								
	Check No. 17			132.95								
	18			133.81	Westlands Water District	10,585	10,585					
				Thru 142.61								
				Pleasant Valley Pumping Plant	143.16	Westlands Water District	9,311					
					143.16	City of Coalinga	355					
				Check No. 18	143.23							
					Reach 5 Subtotal:	41,052	41,052	0	0			
6	19			145.26	GWF Energy	2	1/ 2					
					City of Huron	2						
					DWR Water Truck @ Lat. 22R	0						
					Kings County to Lemoore NAS Through WWD	319						
					Kings County through WWD 30L	0						
					Westlands Water District	10,261						
				Check No. 19	155.64							
					Reach 6 Subtotal:	10,584	10,263	321	0			
7	20			156.34	City of Huron	110	110					
				156.40	SWP Construction @ Lat. 24R	0						
				Thru	Kings County through WWD 31L, 32L, 33L, 34L, 35L, 36L	0						
				163.69	Westlands Water District	7,437						
				Check No. 20	164.69							
	21			164.79	City of Avenal	235	7,437					
				167.04	Westlands Water District	3,954						
				Thru 171.67								
				Check No. 21	172.40	358,696						
					Reach 7 Total:	11,736	11,736	0	0			
					SWP Construction Total:	0	0	0	0			
					Westlands WD Total:	70,542	70,542	0	0			
					City of Coalinga Total:	355	355	0	0			
					City of Huron Total:	112	112	0	0			
					Kings County to Lemoore NAS Through WWD	319	0	319	0			
					City of Avenal Total:	235	235	0	0			
					Total San Luis Field Division Deliveries:	91,615	91,195	321	55			
									44			

1/ From County of Kings to Westlands Water District.

Table 20. Consolidated State-Federal San Luis Canal 1/

Daily Operations
September 2011

United States
Department of the Interior
Bureau of Reclamation
Central Valley Project

State of California
The Resources Agency
Department of Water Resources
State Water Project

Date	Storage In Canal (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)
			Non- Project	Dos Amigos Pumping Plant	San Luis Water District Pools 14 & 15 2/	Panoche Water District Pools 14 & 15	Westlands Water District Pools 15 thru 21 3/	Flow Past Check 21	
Aug 31	30,402								
1	29,437	-965	0	8,365	54	19	1,877	6,656	-245
2	30,108	671	0	9,797	54	19	1,877	7,344	-165
3	29,818	-290	0	9,228	54	19	1,877	7,557	133
4	29,579	-239	0	7,633	54	19	1,877	6,378	574
5	29,177	-402	0	7,943	54	19	1,877	6,410	215
6	29,180	3	0	8,237	54	19	1,877	6,425	139
7	29,186	6	0	8,341	54	19	1,877	6,375	-13
8	29,072	-114	0	8,484	51	18	1,231	6,571	-670
9	28,914	-158	0	8,313	51	18	1,231	6,508	-585
10	29,205	291	0	6,935	51	18	1,231	5,214	-275
11	29,125	-80	0	7,172	51	18	1,231	5,963	51
12	28,904	-221	0	6,685	51	18	1,231	5,612	116
13	29,167	263	0	7,240	51	18	1,231	5,776	-31
14	28,810	-357	0	6,897	51	18	1,231	5,547	-230
15	28,663	-147	0	7,369	120	29	1,010	6,024	-260
16	28,879	216	0	7,292	120	29	1,010	5,885	-139
17	28,688	-191	0	6,925	120	29	1,010	5,837	-26
18	28,961	273	0	6,868	120	29	1,010	5,925	354
19	28,701	-260	0	6,864	120	29	1,010	6,049	213
20	28,877	176	0	6,524	120	29	1,010	5,309	33
21	29,356	479	0	7,140	120	29	1,010	5,752	13
22	29,316	-40	0	6,993	93	30	806	5,912	-172
23	29,015	-301	0	7,074	93	30	806	6,102	-195
24	29,299	284	0	6,191	93	30	806	5,027	-92
25	28,700	-599	0	6,697	93	30	806	6,203	133
26	28,793	93	0	6,576	93	30	806	5,827	226
27	28,983	190	0	6,417	94	30	806	5,429	38
28	28,769	-214	0	6,439	94	30	806	5,619	2
29	28,961	192	0	6,808	94	30	806	5,740	-41
30	29,031	70	0	6,953	94	30	806	5,863	-124
Total		-1,371	0	220,400	2,416	732	36,080	180,840	-1,023
Mean cfs		---	0	7,347	81	24	1,203	6,028	-34
Acre-feet		-1,371	0	437,164	4,793	1,452	71,565	358,696	-2,029

1/ San Luis Canal includes Pools 14 through 21 of the California Aqueduct.

2/ Includes 564 AF to Pacheco W.D., 138 AF to the City of Dos Palos and 4,091 AF to San Luis Water District.

3/ Includes 110 AF to the City of Huron, 235 AF to the City of Avenal, 355 AF to the City of Coalinga, 2 AF to City of Huron P&R @ 22R, 319 AF to Lemoore N.A.S. @ 29L, 2 AF to GWF @ 30L, 0 AF to Kings County @ 30L, 0 AF to Broadview WD @ 3L, 0 AF to DFG @ 4L, 0 AF to Pilibos Wlidlife @ 4L, 0 AF to Mendota Water Fowl Habitat Area @ 6L, 0 AF to DFG @ 7L, 0 AF Non-Project Water, 61,231 AF to Westlands Water District and 9,311 AF to Pleasant Valley Pumping Plant.

Table 21. San Joaquin Field Division Plant Data

(in acre-feet)

September 2011

23

Date	Coastal Aqueduct					California Aqueduct			
	Las Perillas Pumping Plant	Badger Hill Pumping Plant	Devil's Den Pumping Plant	Bluestone Pumping Plant	Polonio Pass Pumping Plant	Buena Vista Pumping Plant	Teerink Pumping Plant	Chrisman Pumping Plant	Edmonston Pumping Plant
1	426	362	75	66	75	5,289	4,642	4,403	4,308
2	443	398	98	88	98	7,377	6,806	6,412	6,338
3	409	406	19	17	20	7,745	7,003	6,746	6,543
4	571	540	109	99	109	7,398	6,925	6,645	6,524
5	515	497	88	80	89	6,942	6,549	6,295	6,221
6	508	405	95	87	95	6,985	6,323	5,983	5,807
7	587	543	98	89	98	7,260	6,745	6,444	6,139
8	489	461	100	91	87	7,075	6,493	6,204	6,091
9	536	500	91	80	91	6,992	6,323	5,976	5,802
10	497	464	95	84	93	5,739	5,277	5,175	4,988
11	519	492	103	93	103	7,624	7,876	7,800	7,735
12	545	518	66	58	67	6,077	5,771	5,499	5,350
13	601	479	90	83	89	6,404	6,048	5,658	5,613
14	544	415	91	85	91	6,254	9,088	5,846	5,672
15	445	360	85	77	86	6,723	5,108	5,790	5,664
16	441	448	90	81	89	6,662	6,094	5,786	5,602
17	406	386	90	80	90	7,052	6,574	6,237	6,081
18	438	457	124	112	125	6,764	6,754	6,463	6,380
19	446	501	96	87	96	6,327	6,162	5,884	5,804
20	352	374	83	74	82	5,539	5,463	5,132	5,054
21	416	414	90	80	90	6,350	6,010	5,667	5,560
22	392	397	91	84	93	6,327	6,078	5,693	5,522
23	303	314	85	77	84	6,967	6,491	6,047	5,944
24	317	327	92	84	92	7,324	7,139	6,778	6,669
25	305	317	90	81	91	6,974	6,937	6,649	6,600
26	327	283	65	59	67	6,157	6,196	5,813	5,749
27	208	318	89	80	89	6,132	5,922	5,587	5,488
28	304	304	103	93	105	6,386	6,186	5,794	5,678
29	328	374	86	76	87	6,389	6,236	5,776	5,692
30	285	278	97	88	97	6,691	6,217	5,855	5,761
Total	12,903	12,332	2,674	2,413	2,668	199,925	191,436	180,037	176,379

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries

(In acre-feet)

September 2011

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries							
	Beginning and Ending					Table A	USBR	Pool A	Pool B	Article 14B	Other		
	No.	Structure	Mile										
7	21	Check No. 21	172.40		358,696								
8C	22		172.66	Empire West Side ID TL - A	0	244	985				1/ 972		
				County of Kings TL - A	244								
				Tulare Lake Basin WSD TL-A	1,957								
			175.18	Dudley Ridge WD - 1	0	277	134				2/ 250		
			177.54	Dudley Ridge WD - 1B	277								
			180.64	Tulare Lake Basin WSD - C	0								
			180.65	Dudley Ridge WD - 1A	548	548	3				1/ 3,943		
			182.99	Dudley Ridge WD - 2	384								
			183.00	Tulare Lake Basin WSD TL - B	3,943								
8D			184.00	County of Kings TL-B	0	257	985				250		
				Dudley Ridge WD - Paramount	3								
31A	8D		184.63	Coastal Branch	12,903	1,219	0	0	0	0	250		
8D			184.78	Dudley Ridge WD - 3	257								
			Dudley Ridge Reach 8D Total:	Dudley Ridge Reach 8D Total:	1,469								
				Tulare Lake Basin WSD Total:	5,900								
			Check No. 22	Check No. 22	184.82								
9	23		189.69	Kern County Water Agency Lost Hills Water Dist. - 1	5,802	5,802	1,323	947	362	1,578	10,012		
			191.18	Kern County Water Agency Lost Hills Water Dist. - 2	1,323								
			194.22	Kern County Water Agency Lost Hills Water Dist. - 3	947								
			196.40	Kern County Water Agency Berrenda Mesa - 2	362								
			196.75	Kern County Water Agency Lost Hills Water Dist. - 4	1,578								
			KCWA Reach 9 Subtotal:	KCWA Reach 9 Subtotal:	10,012								
				Check No. 23	197.05								
10A	24		201.24	Kern County Water Agency Lost Hills Water Dist. - 7	661	161	707	4	1,875	4,887	3/ 500		
			202.05	Kern County Water Agency Lost Hills Water Dist. - 5	707								
			204.69	Kern County Water Agency Lost Hills Water Dist. - 6	0								
			205.26	Kern County Water Agency Lost Hills Water Dist. - 8	4								
			Check No. 24	Check No. 24	207.94								
10A	25		209.71	Kern County Water Agency Belridge Water Storage Dist. - 1A	1,875	1,875	121	1,729	4,887	4/ 29,056			
			209.78	Kern National Wildlife Refuge USBR BV-1B	4,887								
				Kern County Water Agency Buena Vista WSD 1B	121								
				KCWA Semitropic WSD	30,785								
			209.80	KCWA Semitropic WSD Penstocks	0								
				USBR Total:	4,887								
				KCWA Reach 10A Subtotal:	34,153								

1/ TLBWS requested a delivery of Friant Recirculation Water stored in San Luis Res by Lower Tule River ID , Tulare ID, and Fresno ID.

2/ TLBWS Table A delivered through DRWD turnout.

3/ TLBWS same landowner transfer (Sandridge).

4/ Water sent to Semitropic WSD for storage includes: 977 AF of Table A from MWD and 28,079 AF of SCVWD CVP water.

Table 22. Governor Edmund G. Brown California Aqueduct
San Joaquin Field Division, Monthly Deliveries (Continued)

September 2011

(In acre-feet)

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries							
	Beginning and Ending					Table A	USBR	Pool A	Pool B	Article 14B	Other		
	No.	Structure	Mile										
11B	25	210.75	Kern County Water Agency Belridge - 2	0	25	8,094	170				2/ 500		
			Kern County Water Agency Belridge - 3	525									
			Kern County Water Agency Belridge - 4	0									
			Kern County Water Agency Belridge - 5A-C	8,094									
			Kern County Water Agency Belridge - 5D	170									
		Check No. 25	217.79										
			KCWA Reach 11B Subtotal:	8,789	8,289	0	0	0	0	0	500		
12D	26	219.58	Kern County Water Agency Belridge - 6	0	181	181							
			Kern County Water Agency West Kern - 3	181									
	Check No. 26	224.92											
12E	27	230.37	Kern County Water Agency Buena Vista - 6	0	32,670	1,108					3/ 17,779		
			Check No. 27	231.73									
	28	235.75	Kern County Water Agency Buena Vista - 2	1,108									
			Kern County WA CVC	50,449									
			DRWD CVC	0									
			Tulare Co.	0									
			Lower Tule River	0									
			Fresno Co.	0									
			Pixley ID	0									
			Hacienda DWR Wells	0									
	Check No. 28	238.11											
13B	29	238.19	1/ Arvin Edison Total:	0	33,778	0	0	0	0	0	0		
			Reach 12E Subtotal:	51,557		0	0	0	0	0	17,779		
			Kern Water Bank Inflow	0									
			Kern Water Bank Outflow	26,193									
			Kern River Intertie (inflow)	0									
			KCWA Buena Vista WSD - 7	1,969									
	30	242.85	KCWA Buena Vista WSD - 5	261	1,391								
			Kern County Water Agency Buena Vista - 3	1,391									
			Check No. 29	244.54									
			Kern County Water Agency Buena Vista - 4	155									
14A	31	254.47	Buena Vista Pumping Plant	250.99	28,202	0	0	0	0	0	1,767		
			KCWA Reach 13B Subtotal:	29,969		0	0	0	0	0			
	31	256.11	Kern County Water Agency West Kern - 2	0	228								
			Kern County Water Agency Wheeler Ridge-Maricopa - 2	228									

1/ Arvin Edison Contractors include Rag Gulch WD, Kern-Tulare WD, Fresno County, Hills Valley ID, Tri Valley WD, Tulare County, Lower Tule River ID, and Pixley ID.

2/ TLBWS same landowner transfer (Sandridge).

3/ Includes 6,743 AF from MWD to Kern-Delta WD for storage and 11,036 AF from MWD to Arvin-Edison WSD for storage.

4/ From DRWD to KWB for storage.

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

September 2011

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries							
	Beginning and Ending				No.	Structure	Mile	Table A	USBR	Pool A	Pool B	
	No.	Structure	Mile									
14A	31	Check No. 31	256.14					497				
	32		258.61	Kern County Water Agency Wheeler Ridge-Maricopa - 3	260.44				1,567			
			260.44	Kern County Water Agency Wheeler Ridge-Maricopa - 4								
		Check No. 32	261.72									
				KCWA Reach 14A Subtotal:			2,292	2,292	0	0	0	
14B	33		264.42	Kern County Water Agency Wheeler Ridge-Maricopa - 5	3,606			3,606				
			266.91	Kern County Water Agency Wheeler Ridge-Maricopa - 6			799		799			
	Check No. 33		267.36									
	34		270.24	Kern County Water Agency Wheeler Ridge-Maricopa - 7	2,333							
			271.27									
				Reach 14B Total:		6,738		6,738	0	0	0	
14C	35		272.39	Kern County Water Agency Wheeler Ridge-Maricopa - 8	1,845			1,845				
			276.09	Kern County Water Agency Wheeler Ridge-Maricopa - 9			1,016					
			277.30	Kern County Water Agency Arvin-Edison WSD			6,307				1/ 6,307	
				Reach 14C Total:		9,168		2,861	0	0	0	
	Teerink Pumping Plant		278.13			191,436						
15A	36		279.02	Kern County Water Agency Wheeler Ridge-Maricopa - 9A	483			483				
			280.06	Kern County Water Agency Wheeler Ridge-Maricopa - 10			3,903					
				Reach 15A Total:		4,386		4,386	0	0	0	
	Chrisman Pumping Plant		280.36			180,037						
16A	37		282.06	Kern County Water Agency Wheeler Ridge-Maricopa - 11	0			39				
			283.95									
			285.01	Kern County Water Agency Wheeler Ridge-Maricopa - 12			39					
			286.39	Kern County Water Agency Wheeler Ridge-Maricopa - 13A			47					
			287.06	Kern County Water Agency Wheeler Ridge-Maricopa - 13		0						
	Check No. 38		287.09									
	39		287.62	Kern County Water Agency Wheeler Ridge-Maricopa - 13B	90			90				
			290.21									
17E	40		291.26	Kern County Water Agency Wheeler Ridge-Maricopa - 14	1,046			1,046				
			293.07	Kern County Water Agency Wheeler Ridge-Maricopa - 15			273		273			
				Kern County Water Agency Tehachapi Cummings CWD			738		738			
				KCWA Reach 16A Subtotal:		2,233		2,233	0	0	0	
	Edmonston Pumping Plant		293.45			176,379						

1/ MWD water sent to Arvin Edison WSD for storage.

Table 23. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Coastal Branch)

(In acre-feet)

September 2011

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending		No.			Table A	USBR	Pool A	Pool B	Article 14B	Other	
	No.	Structure	Mile									
31A	C-1	Coastal Branch Control	0.02		12,903	784						
		Las Perillas Pumping Plant	1.16		12,903							
	C-2		3.79	Green Valley Water District	0							
		Badger Hill Pumping Plant	4.27		12,332							
	C-3	Coastal Check No. 3	7.21									
	C-4		9.34	Castaic Lake WA (Devil's Den WD #1)	0							
		Coastal Check No. 4	9.34									
	C-5	Coastal Check No. 5	12.20									
	C-6		13.30	Kern County Water Agency Berrenda Mesa - 3	784							
			14.83	Kern County Water Agency Berrenda Mesa - 1	9,133							
				Kern County Water Agency Berrenda Mesa - PO	0							
		Devil's Den Pumping Plant	14.86		2,674							
				KCWA Reach 31A Subtotal:	9,917	9,917	0	0	0	0	0	
				KCWA Total:	169,395	113,486	0	0	0	0	55,909	
33A	C-7	Bluestone Pumping Plant	19.05		2,413	2,096						
	C-8	Polonio Pass Pumping Plant	26.54		2,668							
	C-9	Tank Site 1	27.81	(CCWA) Polonio Pass Treatment Plant	0							
	C-10	Shandon T.O.	38.23	Santa Barbara County (CCWA)	2,317							
		Tank Site 2	58.63	Central Coast:	0							
35	C-11	Chorro Valley T.O.	69.31	San Luis Obispo County (CCWA)	318							
		Energy Dissipater	78.12									
	C-12	Lopez T.O.	85.86	SLOCFC & WCD	0							
				CCWA Total:	2,635							
	Guadalupe T.O.	102.70		SBCFC & WCD	0	2,414	0	0	0	221	0	
38	Santa Maria T.O.	107.43		SBCFC & WCD	0							
	So. Cal. Water T.O.	109.20		SBCFC & WCD	0							
				SBCFC & WCD Total:	0		0	0	0	0	0	
	Tank Site 5	115.42										

Table 24. Southern Field Division Plant Data

(in acre-feet)

September 2011

Date	West Branch						East Branch								East Branch Extension		
	Oso Pumping Plant	Warne Powerplant			Castaic Powerplant		Alamo Powerplant			Pearblossom Pumping Plant	Mojave Siphon Powerplant			Devil Canyon Powerplant Generation	Green Spot	Crafton Hills	Cherry Valley
		Generation	Leakage	Gorman Crk. Improvement Channel	Generation 1/	Pumpback 1/	Bypass Through Plant	Tehachapi Afterbay Bypass	Generation	Leakage	Bypass Flume						
1	1,180	1,512	0	0	4,123	871	2,766	0	132	2,753	2,662	0	0	3,622	82	83	31
2	1,748	1,511	0	0	3,700	783	2,853	0	1,428	3,825	3,335	0	0	3,534	72	74	32
3	2,011	1,462	0	0	1,846	729	2,789	0	1,061	3,973	3,670	0	0	3,577	60	62	31
4	1,858	1,410	0	0	98	1,564	2,768	0	1,587	4,175	3,911	0	0	3,727	61	62	32
5	1,954	1,412	0	0	1,641	735	2,795	0	1,289	4,175	3,872	0	0	3,590	60	62	32
6	1,373	1,412	0	0	2,932	586	2,856	0	1,190	4,175	3,816	0	0	3,955	61	63	32
7	1,657	1,411	0	0	3,322	1,515	2,841	0	1,296	4,175	3,840	0	0	3,752	60	62	32
8	1,484	1,407	0	0	3,261	1,279	2,826	0	1,339	4,175	3,898	0	0	3,986	61	63	32
9	1,176	1,426	0	0	4,636	866	2,844	0	1,471	4,019	3,901	0	0	4,240	59	61	32
10	999	1,491	0	0	329	0	2,666	0	636	3,414	3,273	0	0	4,171	58	60	32
11	2,549	1,423	0	0	123	0	2,880	0	1,488	3,958	3,626	0	0	4,135	57	60	31
12	1,429	1,558	0	0	2,573	706	2,824	0	1,182	3,421	3,663	0	0	3,315	58	60	31
13	1,163	1,485	0	0	2,760	584	2,894	0	1,205	4,175	3,595	0	96	3,036	58	60	31
14	1,062	1,469	0	0	2,045	1,081	2,846	0	1,260	4,013	3,979	0	0	3,276	61	61	31
15	1,307	1,504	0	0	2,694	1,018	2,892	0	1,339	4,031	3,897	0	0	3,044	75	60	31
16	1,593	1,500	0	0	2,272	988	2,797	0	670	3,518	3,307	0	0	3,213	77	60	31
17	1,944	1,465	0	0	122	1,411	2,990	0	818	3,466	3,301	0	0	3,488	78	60	31
18	1,761	1,483	0	0	1,342	1,443	2,917	0	1,428	4,175	3,845	0	0	3,266	76	60	31
19	1,714	1,443	0	0	3,466	1,145	2,706	0	842	3,496	3,636	0	0	3,656	75	61	31
20	1,532	1,473	0	0	1,798	954	2,745	0	719	3,427	3,463	0	0	3,620	84	60	31
21	1,277	1,465	0	0	2,834	0	2,799	0	893	3,431	3,168	0	0	3,663	77	62	31
22	1,242	1,476	0	0	2,512	39	2,835	0	1,178	3,715	3,536	0	0	3,601	62	62	31
23	1,054	1,491	0	0	3,277	0	2,889	0	1,525	4,059	3,762	0	0	3,407	61	62	31
24	1,698	1,484	0	0	152	1,264	2,841	0	1,326	4,007	3,768	0	0	3,494	61	63	31
25	1,961	1,447	0	0	511	1,023	2,867	0	1,436	4,175	3,954	0	0	3,635	61	63	31
26	1,167	1,473	0	0	2,634	863	695	0	3,421	4,175	3,934	0	0	3,589	60	63	31
27	1,273	1,480	0	0	2,163	0	0	0	4,007	3,894	3,845	0	0	3,741	60	62	31
28	1,268	1,480	0	0	862	0	951	0	3,333	3,960	3,912	0	0	4,084	60	62	31
29	2,340	1,479	0	0	2,826	0	2,004	0	930	2,583	2,657	0	0	3,616	36	40	31
30	1,324	1,465	0	0	2,132	0	2,926	0	1,091	3,863	3,502	0	0	3,108	51	53	31
Total	46,098	43,997	0	0	64,986	21,447	77,302	0	41,520	114,401	108,528	0	96	108,141	1,922	1,846	938

1/ Values supplied by LADWP, not verified by DWR.

Table 25. Pyramid Lake
Daily Operation

Capacity: 171,200 ac-ft

(in acre-feet except as noted)

September 2011

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow				Outflow				Computed Losses (-) And Gains (+)	
				Project			Natural	Project		To Piru Creek			
				Castaic Powerplant Pumpback 1/	Warne Power-plant	Gorman Creek Improv. Channel	Stream Flow	Castaic Powerplant Generation 1/	Recrea-tion Deliveries	Natural	Del. To United W.A.		
Aug 31	2576.45	167,908											
1	2574.92	165,955	-1,953	871	1,512	0	9	4,123	0	12	0	-210	
2	2573.55	164,220	-1,735	783	1,511	0	9	3,700	0	12	0	-326	
3	2573.84	164,586	366	729	1,462	0	9	1,846	0	12	0	24	
4	2576.15	167,524	2,938	1,564	1,410	0	9	98	0	12	0	65	
5	2576.56	168,049	525	735	1,412	0	9	1,641	0	12	0	22	
6	2575.57	166,783	-1,266	586	1,412	0	9	2,932	0	12	0	-329	
7	2575.15	166,248	-535	1,515	1,411	0	9	3,322	0	12	0	-136	
8	2574.55	165,485	-763	1,279	1,407	0	9	3,261	0	12	0	-185	
9	2572.35	162,709	-2,776	866	1,426	0	9	4,636	0	12	0	-429	
10	2573.03	163,564	855	0	1,491	0	11	329	0	12	0	-306	
11	2574.01	164,801	1,237	0	1,423	0	12	123	0	12	0	-63	
12	2573.52	164,182	-619	706	1,558	0	12	2,573	0	11	0	-311	
13	2572.85	163,338	-844	584	1,485	0	12	2,760	0	10	0	-155	
14	2573.12	163,677	339	1,081	1,469	0	13	2,045	0	10	0	-169	
15	2572.88	163,375	-302	1,018	1,504	0	14	2,694	0	10	0	-134	
16	2572.95	163,463	88	988	1,500	0	14	2,272	0	10	0	-132	
17	2575.23	166,350	2,887	1,411	1,465	0	13	122	0	10	0	130	
18	2575.96	167,281	931	1,443	1,483	0	13	1,342	1	10	0	-655	
19	2575.63	166,859	-422	1,145	1,443	0	12	3,466	0	10	0	454	
20	2576.11	167,472	613	954	1,473	0	12	1,798	0	10	0	-18	
21	2574.82	165,828	-1,644	0	1,465	0	12	2,834	0	10	0	-277	
22	2573.98	164,763	-1,065	39	1,476	0	12	2,512	0	10	0	-70	
23	2572.35	162,709	-2,054	0	1,491	0	12	3,277	0	10	0	-270	
24	2574.53	165,460	2,751	1,264	1,484	0	12	152	0	10	0	153	
25	2576.29	167,703	2,243	1,023	1,447	0	13	511	0	10	0	281	
26	2575.70	166,949	-754	863	1,473	0	14	2,634	0	10	0	-460	
27	2574.99	166,044	-905	0	1,480	0	14	2,163	0	10	0	-226	
28	2575.43	166,604	560	0	1,480	0	14	862	0	10	0	-62	
29	2574.11	164,928	-1,676	0	1,479	0	13	2,826	0	10	0	-332	
30	2573.49	164,144	-784	0	1,465	0	13	2,132	0	10	0	-120	
Total				-3,764	21,447	43,997	0	348	64,986	1	323	0	-4,246

1/ Values supplied by LADWP, not verified by DWR.

Table 26. Elderberry Forebay

Daily Operation

(in acre-feet except as noted)

Capacity: 32,476 ac-ft

September 2011

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow			Computed Losses (-) And Gains (+)	
				Castaic Powerplant Generation 1/	Natural	Castaic Powerplant Pumpback 1/	To Castaic Lake			
				Natural	Project 1/					
Aug 31	1508.55	18,631								
1	1510.32	19,308	677	4,123	0	871	0	2,577	2	
2	1512.65	20,218	910	3,700	0	783	0	2,005	-2	
3	1515.66	21,429	1,211	1,846	0	729	0	0	94	
4	1512.20	20,041	-1,388	98	0	1,564	0	0	78	
5	1514.41	20,921	880	1,641	0	735	0	0	-26	
6	1515.60	21,405	484	2,932	0	586	0	1,912	50	
7	1511.43	19,739	-1,666	3,322	0	1,515	0	3,434	-39	
8	1509.10	18,840	-899	3,261	0	1,279	0	2,837	-44	
9	1512.99	20,353	1,513	4,636	0	866	0	2,257	0	
10	1513.81	20,680	327	329	0	0	0	0	-2	
11	1514.40	20,917	237	123	0	0	0	0	114	
12	1519.11	22,863	1,946	2,573	0	706	0	0	79	
13	1519.81	23,160	297	2,760	0	584	0	1,880	1	
14	1511.75	19,864	-3,296	2,045	0	1,081	0	4,260	0	
15	1511.22	19,657	-207	2,694	0	1,018	0	1,882	-1	
16	1514.62	21,006	1,349	2,272	0	988	0	0	65	
17	1511.69	19,840	-1,166	122	0	1,411	0	0	123	
18	1511.59	19,801	-39	1,342	0	1,443	0	0	62	
19	1511.61	19,809	8	3,466	0	1,145	0	1,693	-620	
20	1511.61	19,809	0	1,798	0	954	0	3,082	2,238	
21	1508.10	18,460	-1,349	2,834	0	0	0	2,569	-1,614	
22	1507.67	18,299	-161	2,512	0	39	0	2,644	10	
23	1513.30	20,476	2,177	3,277	0	0	0	1,090	-10	
24	1510.90	19,532	-944	152	0	1,264	0	0	168	
25	1509.56	19,015	-517	511	0	1,023	0	0	-5	
26	1513.96	20,740	1,725	2,634	0	863	0	0	-46	
27	1517.53	22,200	1,460	2,163	0	0	0	702	-1	
28	1509.48	18,985	-3,215	862	0	0	0	4,077	0	
29	1508.87	18,752	-233	2,826	0	0	0	3,058	-1	
30	1511.44	19,743	991	2,132	0	0	0	1,142	1	
Total			1,112	64,986	0	21,447	0	43,101	674	

1/ Values supplied by LADWP, not verified by DWR.

Table 27. Castaic Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 323,699 ac-ft

September 2011

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow		Computed Losses (-) And Gains (+)	
				From Elderberry Forebay 1/		Natural	Deliveries		
				Natural	Project				
Aug 31	1501.01	293,312							
1	1500.24	291,678	-1,634	0	2,577	0	1,628	0	
2	1500.22	291,636	-42	0	2,005	0	1,711	0	
3	1500.20	291,595	-41	0	0	0	1,561	0	
4	1500.18	291,554	-41	0	0	0	1,503	0	
5	1500.16	291,511	-43	0	0	0	1,539	0	
6	1499.45	290,032	-1,479	0	1,912	0	1,761	0	
7	1500.21	291,627	1,595	0	3,434	0	1,865	0	
8	1500.69	292,638	1,011	0	2,837	0	1,848	0	
9	1500.67	292,595	-43	0	2,257	0	1,916	0	
10	1499.91	290,997	-1,598	0	0	0	1,677	0	
11	1499.30	289,718	-1,279	0	0	0	1,551	0	
12	1498.46	287,962	-1,756	0	0	0	1,761	0	
13	1498.61	288,276	314	0	1,880	0	1,835	0	
14	1499.73	290,620	2,344	0	4,260	0	1,801	0	
15	1499.74	290,640	20	0	1,882	0	1,787	0	
16	1498.90	288,881	-1,759	0	0	0	1,769	0	
17	1497.98	286,962	-1,919	0	0	0	1,785	0	
18	1497.18	285,299	-1,663	0	0	0	1,781	0	
19	1497.17	285,278	-21	0	1,693	0	1,763	0	
20	1497.73	286,442	1,164	0	3,082	0	1,838	0	
21	1498.13	287,274	832	0	2,569	0	1,763	0	
22	1498.49	288,025	751	0	2,644	0	1,773	0	
23	1498.06	287,129	-896	0	1,090	0	1,894	0	
24	1497.14	285,216	-1,913	0	0	0	1,885	0	
25	1496.30	283,477	-1,739	0	0	0	1,733	0	
26	1495.46	281,743	-1,734	0	0	0	1,715	0	
27	1495.09	280,982	-761	0	702	0	1,784	0	
28	1496.21	283,290	2,308	0	4,077	0	1,789	0	
29	1496.85	284,615	1,325	0	3,058	0	1,838	0	
30	1496.58	284,056	-559	0	1,142	0	1,764	0	
Total				-9,256	0	43,101	0	261	

1/ Values supplied by LADWP, not verified by DWR.

Table 28. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (West Branch)

(In acre-feet)

September 2011

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries							
	Beginning and Ending					Table A	Rec.	Pool A	Pool B	Local	Other		
	No.	Structure	Mile										
29A	42	Oso Pumping Plant	1.49		46,098								
29F	W2	Quail Lake	5.02	Antelope Valley-East Kern Water Agency	Re-moved	1							
		Quail Lake Embankment	7.82	Antelope Valley-East Kern Water Agency	Stub								
29G		Warne Power Plant	14.07	(No flow through Gorman Creek Imp. Channel)	43,997								
29H	W3	Pyramid Lake		USFS		1							
				Pyramid Recreation (T300)	1								
29J	W4	Pyramid Dam	17.10	California State Park		0							
		Castaic Power Plant	25.82	Piru Fish (T300)	0								
30 1/	W5	Elderberry Forebay				64,986							
		Forebay Dam	28.12										
30 1/	W5	Castaic Lake		California State Park		33							
		Castaic Dam	31.47	Castaic Lake Recreation (T301)									
30 1/	W5	Castaic Lake Outlet	31.6	MWDSC 78" & 132" (T302)	49,423	49,423							
				Castaic Lake WA 18", 24" & 54" (T303)	744								
30 1/	W5			Castaic Lake WA Rio Vista T.P. (T304)	2,264	2,264							
				MWD-Ventura Co. WPD (T302)	154								
30 1/	W5			Releases to Lagoon	0	154							
				Reach 30 Subtotal:	52,618								
	W6	Castaic Lagoon		California State Park Recreation to Lagoon (T353)	0	52,585	33	0	0	0	0		
		Castaic Lagoon Outlet	31.9		12,229								

1/ Reach 30 actually terminates at mile 31.50. It is shown here as including the outlet works at mile 31.55.

All deliveries from the outlet works and from the Lagoon are billed to Reach 30.

2/ Value Supplied by LADWP, not verified by DWR.

Table 29. Silverwood Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 74,970 ac-ft

September 2011

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow				Computed Losses (-) And Gains (+)	Las Flores Ranch Exchange 1/	
							Project			Del. To Mojave W.A.	Natural To Mojave River		
				Mojave Siphon Power-plant	Mojave Bypass Flume	Natural Stream Flow	Delivered to CLAWA	Rec.	San Bernardino Tunnel				
Aug 31	3353.03	73,060											
1	3351.88	71,958	-1,102	2,662	0	1	6	0	3,622	0	1	-136	
2	3351.57	71,663	-295	3,335	0	1	6	0	3,534	0	0	-91	
3	3351.57	71,663	0	3,670	0	1	6	1	3,577	0	0	-87	
4	3351.79	71,873	210	3,911	0	1	6	0	3,727	0	1	32	
5	3352.19	72,255	382	3,872	0	1	5	0	3,590	0	0	104	
6	3352.05	72,121	-134	3,816	0	1	5	0	3,955	0	0	9	
7	3352.10	72,169	48	3,840	0	1	4	1	3,752	0	1	-35	
8	3351.99	72,063	-106	3,898	0	1	3	0	3,986	0	0	-16	
9	3351.63	71,720	-343	3,901	0	1	3	0	4,240	0	0	-2	
10	3350.67	70,809	-911	3,273	0	1	3	0	4,171	0	1	-10	
11	3350.25	70,412	-397	3,626	0	1	3	1	4,135	0	0	115	
12	3350.50	70,648	236	3,663	0	1	3	0	3,315	0	0	-110	
13	3351.18	71,292	644	3,595	96	1	3	0	3,036	0	1	-8	
14	3351.88	71,958	666	3,979	0	1	3	0	3,276	0	0	-35	
15	3352.78	72,820	862	3,897	0	1	3	1	3,044	0	1	13	
16	3352.89	72,926	106	3,307	0	1	3	0	3,213	0	1	15	
17	3352.64	72,686	-240	3,301	0	1	3	0	3,488	0	1	-50	
18	3353.25	73,272	586	3,845	0	1	3	0	3,266	0	1	10	
19	3353.20	73,224	-48	3,636	0	1	3	1	3,656	0	50	25	
20	3352.86	72,897	-327	3,463	0	1	3	0	3,620	0	110	-58	
21	3352.24	72,302	-595	3,168	0	1	4	0	3,663	0	159	62	
22	3352.05	72,121	-181	3,536	0	1	3	0	3,601	0	198	84	
23	3352.05	72,121	0	3,762	0	1	3	1	3,407	0	198	-154	
24	3352.24	72,302	181	3,768	0	1	4	0	3,494	0	198	108	
25	3352.24	72,302	0	3,954	0	0	3	0	3,635	0	198	-118	
26	3352.41	72,465	163	3,934	0	0	3	0	3,589	0	198	19	
27	3352.19	72,255	-210	3,845	0	0	3	1	3,741	0	297	-13	
28	3351.71	71,796	-459	3,912	0	0	3	0	4,084	0	297	13	
29	3350.39	70,544	-1,252	2,657	0	0	3	0	3,616	0	297	7	
30	3350.59	70,733	189	3,502	0	0	3	1	3,108	0	233	32	
Total				-2,327	108,528	96	24	109	8	108,141	0	2,442	-275
1/ Project water delivered from Mojave Siphon in exchange for like amount of natural stream flow.													

Table 30. Lake Perris

Daily Operation

(in acre-feet except as noted)

Capacity: 131,452 ac-ft

September 2011

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow 1/	Outflow 2/	Computed Losses (-) Gains (+) 1/
Aug 31	1559.48	67,982				
1	1559.56	68,126	144		104	
2	1559.53	68,072	-54		104	
3	1559.31	67,676	-396		104	
4	1559.23	67,532	-144		104	
5	1559.34	67,730	198		123	
6	1559.18	67,442	-288		105	
7	1559.29	67,640	198		103	
8	1558.93	66,994	-646		103	
9	1559.20	67,478	484		105	
10	1559.26	67,586	108		103	
11	1558.93	66,994	-592		104	
12	1559.04	67,191	197		112	
13	1558.90	66,940	-251		104	
14	1558.90	66,940	0		104	
15	1558.80	66,761	-179		104	
16	1558.93	66,994	233		103	
17	1558.79	66,743	-251		103	
18	1558.71	66,600	-143		104	
19	1558.57	66,350	-250		119	
20	1558.46	66,154	-196		320	
21	1558.52	66,261	107		99	
22	1558.54	66,297	36		104	
23	1558.54	66,297	0		104	
24	1558.52	66,261	-36		104	
25	1558.49	66,207	-54		103	
26	1558.32	65,905	-302		123	
27	1558.38	66,012	107		99	
28	1558.27	65,816	-196		104	
29	1558.38	66,012	196		103	
30	1558.38	66,012	0		104	
Total			-1,970	2,644	3,382	-1,232

1/ Readings are not taken on a daily basis. End of month only.

2/ Includes deliveries to MWD from Reach 28J and recreation water to California State Park at Lake Perris.

Table 31. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (East Branch)

(In acre-feet)

September 2011

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending		No.			Table A	Rec.	Pool A	Pool B	Local	Other	
	No.	Structure	Mile									
17E	40	Edmonston Pumping Plant	293.45		176,379							
	41		298.65	KCWA Tej.-Cas	Stub							
17F		Check No. 41	303.41									
18A	42		304.99	AVEK WA-Temp for TEA construction (T389)	0							
		Check No. 42	304.99									
	43	Alamo Powerplant	305.73	(Includes 77,302 AF generation, 0 AF plant bypass, and 41,520 AF Tehachapi Bypass)	118,822							
19	43		306.71	AVEK 305th Street West (T287)	1,267		1,267					
			308.05	AVEK 294th Street West (T267)	64							
		Check No. 43	309.70									
	44		311.84	LADWP Connection	0							
			313.50	AVEK 245th Street West (T269)	0							
		Check No. 44	314.81									
	45		314.93	AVEK 235th Street West (T270)	0							
			315.57	AVEK 225th Street West (T271)	0							
		Check No. 45	319.74									
	46		323.19	Antelope Valley-East Kern WA Fairmont (T272)	6,111		6,111					
				Mojave Water Agency Fairmont (T272)	144							
		Check No. 46	323.84									
20A	Reach 19 Total:					7,586						
	47	Check No. 47	326.77									
	48		326.91	Antelope Valley-East Kern WA Willow Springs (T273)	39		39					
			329.65	Antelope Valley-East Kern WA 120th Street West	Removed							
		Check No. 48	330.82									
	49	Check No. 49	335.93									
	50		336.73	Antelope Valley-East Kern WA Quartz Hill (T274)	3,958		3,958					
			339.68	Antelope Valley-East Kern WA Rancho Vista (T275)	56							
			340.92	AVEK WA-Temp (T387)	0							
	51		341.51									
20B	51		342.06	AVEK WA-Temp (T386)	0							
	52		342.07	Antelope Valley-East Kern WA 30th Street West (T414)	0							
	53		342.95									
		Check No. 52	343.74									
			346.98	Palmdale WD (T276) Temp.	413							
21	53		348.14	Antelope Valley-East Kern WA Acton Treatment Plant (T277)	90		90					
			348.17									
			349.52	Palmdale WD (T394)	0							
	54	Check No. 54	350.25									
	55	Check No. 55	352.70									
	56	Check No. 56	354.76									
	57		354.97	AVEK WA-Delivered through Littlerock Creek ID (T278)	0							
			354.97	Palmdale WD (T276)	0							
			354.97	Palmdale WD (T391)	0							
22A	58	Check No. 57	356.93									
	58		357.60	AVEK 95th Street East (T279)	0							
			357.72	AVEK 96th Street East (T280)	0							
			359.76	AVEK East Side Treatment Plant (T281)	258							

Table 31. Governor Edmund G. Brown California Aqueduct
 Southern Field Division, Monthly Deliveries (East Branch, Continued)

(In acre-feet)		September 2011										
Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries							
	Beginning and Ending				Deliveries							
	No.	Structure	Mile		Table A	Rec.	Pool A	Pool B	Local	Other		
22B	58	Pearblossom Pumping Plant	360.61		114,401							
	59	Check No. 59	366.09									
	60		366.50	AVEK Big Rock Siphon (T368)	0							
		Check No. 60	373.94									
	61	Check No. 61	379.00									
	62	Check No. 62	384.26									
	63		389.20	Mojave Water Agency White Road 24" & 42" (T282)	947					2/ 947		
	64	Check No. 64	395.10									
	65	Check No. 65	400.32									
	66		401.10	Mojave Water Agency Morongo 24" & 42" (T284)	4,959					2/ 4,959		
23		Check No. 66	403.41									
	Mojave Siphon	405.58		Las Flores Ranch Exchange	0					1/ 0		
24		Mojave Siphon Powerplant	405.65		108,528					2/ 2,433		
67	Silverwood Lake	407.65	MWA CS DAM (T288)	2,433								
			25				California State Park Silverwood (T288)	8				
		407.70	Creastline-Lake Arrowhead WA State Project Water (T289)	0								
			Non-Project Water (T289)	109								
	San Bernardino Intake Tunnel			108,141								
	Devil Canyon Powerplant	412.73		108,141								
26A	68	Devil Canyon Afterbay Control Structures	412.88	MWD-Rialto (T292)	0							
				MWD-Rialto (T293)	48,129							
				MWD-Rialto (T294)	17,828							
				Desert Water Agency Transfer (T293)	240							
				Coachella Valley WD Transfer (T293)	2,262							
				MWD EBX-1 (T290)	0							
				MWD EBX-1 (T291)	0							
				East Branch Extension	6,978							
				MWD (T294)	0							
28G	69	Santa Ana Valley Pipeline	425.46									
28H			433.06	Desert Water Agency (T295)	0							
				Coachella Valley WD (T296)	0							
				MWD-SC Box Springs (T295)	7,716							
28J			440.05	MWD-SC Perris Bypass Pipeline (T296)	23,366							
69	Lake Perris	442.00	MWD-SC (T297)	142								
			MWD-SC 54" & 78" (T299)	3,190								
		443.44	Calif. State Park Lake Perris Parks & Rec. (T298)	50								
			MWD Total:	149,794	149,794	0	0	0	0			

1/ Project water delivered from Mojave Siphon in exchange for like amount of natural stream flow.

2/ MWD provided SWP water supplies to MWA for groundwater storage in the Mojave River Basin.

3/ Includes 3,256 AF to San Gabriel Valley MWD, 2,771 AF to San Bernardino Valley MWD, and 951 AF to San Gorgonio Pass WA.

Table 32. Water Quality At Selected SWP Locations

September 2011

Constituent	Units	Thermalito Afterbay At Outlet	North Bay Aqueduct Barker Slough Pumping Plant	Delta Mendota Canal At McCabe Rd.	California Aqueduct					
					Banks Pumping Plant	O'Neill Forebay Outlet (Check 13)	Kettleman City (Check 21)	Near Hwy 119 (Check 29)	Tehachapi Afterbay (Check 41)	Devil Canyon Headworks
Alkalinity	mg/l as CaCO ₃	36	84	59	60	59	58	56	56	58
Antimony	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NR	NR
Arsenic	mg/l	<0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Beryllium	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	mg/l	<0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Bromide	mg/l	<0.01	0.03	0.08	0.06	0.08	0.07	0.07	0.07	0.09
Calcium	mg/l	8	14	13	13	13	13	13	13	14
Chloride	mg/l as C	<1	12.0	27.0	19.0	21.0	22.0	22.0	22.0	30.0
Chromium	mg/l as C	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Copper	mg/l	<0.001	0	0	0	0	0	0	0	0
Fluoride	mg/l	NR	NR	NR	NR	NR	NR	NR	NR	NR
Hardness	mg/l	31.000	76.000	61.000	62.000	62.000	62.000	60.000	58.000	66.000
Iron	mg/l	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lead	mg/l as CaCO ₃	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/l	3.000	10.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000
Manganese	mg/l	<0.005	0.016	<0.005	0.014	<0.005	<0.005	<0.005	<0.005	<0.005
Nitrate + Nitrite	mg/l	<0.01	0	0	0	0	0	0	0	0
Organic Carbon, Dissolved	mg/l	NR	2.500	2.100	1.600	1.700	1.900	2.000	1.800	1.750
Organic Carbon, Total	mg/l as N	NR	2.60	2.30	1.90	1.80	1.90	2.10	1.80	1.85
Phosphate-Ortho	mg/l as P	<0.01	0.11	0.04	0.04	0.05	0.06	NR	0.06	0.06
Phosphorus-Total	mg/l	<0.01	0.18	0.09	0.09	0.08	0.09	0.09	0.09	0.08
Selenium	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Sodium	mg/l	3	16	18	18	19	20	19	19	25
Specific Conductance	µS/cm	78	231	240	214	218	216	210	216	263
Sulfate	mg/l	1	12	13	12	14	15	14	14	19
Total Dissolved Solids	mg/l	48	127	132	118	122	119	120	141	148
Turbidity	NTU	1	18	10	6	5	5	6	6	1
Zinc	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.008	<0.005	<0.005

mg/l milligrams per liter

µg/l micrograms per liter

µS/cm microSiemens per centimeter

NR - Not Reported

NTU - nephelometric turbidity units

Table 33. Water Quality At Selected Delta Stations

September 2011

Date	Antioch Tides (feet above mean sea level)		Flow In CFS		Electrical Conductivity in milliSiemens/cm										Cl in mg/l	
			Net Delta Outflow Index		Rio Vista	Antioch	Chipps Island	Emmaton		Jersey Point		Clifton Court	Cache Slough	Delta Mendota Canal		
	Highest High Tide	Actual High Half Tide	Mean Daily	Monthly Average				md	md	md	14dm	md	14dm	md	md	
38	1	6.32	4.42	12,800	12,800	11,885	0.65	2.85	0.19	0.20	0.23	0.26	0.21	0.50	0.23	22
	2	6.42	4.36	12,878	12,839	11,908	0.60	2.52	0.19	0.20	0.23	0.25	0.22	0.51	0.24	22
	3	6.57	4.52	12,678	12,785	12,012	0.61	2.73	0.20	0.20	0.23	0.25	0.22	0.51	0.23	22
	4	6.54	4.56	12,473	12,707	12,253	0.56	2.49	0.19	0.20	0.23	0.25	0.21	0.51	0.24	22
	5	6.36	4.52	12,432	12,652	12,299	0.51	2.20	0.19	0.20	0.22	0.25	0.21	0.55	0.23	22
	6	6.12	4.31	12,232	12,582	12,239	0.46	1.65	0.19	0.20	0.21	0.24	0.21	0.62	0.23	22
	7	6.05	4.19	12,581	12,582	12,155	0.45	1.64	0.18	0.20	0.21	0.24	0.22	0.62	0.25	24
	8	6.03	4.23	12,401	12,559	12,430	0.45	1.81	0.18	0.20	0.21	0.23	0.21	0.57	0.25	23
	9	6.17	4.36	12,812	12,587	12,617	0.47	1.96	0.19	0.19	0.21	0.23	0.21	0.48	0.25	23
	10	6.11	4.47	12,871	12,616	12,987	0.50	1.97	0.18	0.19	0.21	0.23	0.21	0.42	0.24	23
	11	6.25	4.47	12,853	12,637	13,136	0.50	2.28	0.18	0.19	0.22	0.23	0.21	0.39	0.25	23
	12	5.79	4.22	12,939	12,663	13,267	0.43	1.62	0.17	0.19	0.21	0.22	0.21	0.41	0.27	23
	13	5.70	4.16	12,595	12,657	13,143	0.41	1.45	0.17	0.19	0.21	0.22	0.21	0.40	0.30	22
	14	5.92	4.29	11,687	12,588	12,649	0.42	1.55	0.18	0.18	0.21	0.22	0.22	0.38	0.31	22
	15	6.01	4.39	12,059	12,553	12,687	0.43	1.75	0.18	0.18	0.22	0.22	0.23	0.40	0.31	22
	16	6.03	4.35	12,585	12,555	12,864	0.41	1.64	0.18	0.18	0.21	0.22	0.23	0.48	0.30	21
	17	5.81	4.18	12,891	12,575	13,411	0.38	1.22	0.18	0.18	0.21	0.21	0.23	0.57	0.29	21
	18	5.73	4.10	13,466	12,624	13,770	0.36	1.15	0.17	0.18	0.21	0.21	0.23	0.66	0.28	21
	19	5.81	4.20	13,494	12,670	13,630	0.36	1.26	0.18	0.18	0.21	0.21	0.22	0.67	0.25	20
	20	5.99	4.39	12,660	12,669	12,891	0.39	1.88	0.18	0.18	0.21	0.21	0.23	0.60	0.24	20
	21	6.12	4.52	12,212	12,648	12,456	0.44	2.76	0.19	0.18	0.22	0.21	0.23	0.58	0.26	20
	22	6.02	4.45	11,998	12,618	12,266	0.48	3.40	0.19	0.18	0.21	0.21	0.23	0.58	0.26	19
	23	6.05	4.27	11,815	12,583	12,216	0.52	3.30	0.19	0.18	0.21	0.21	0.24	0.54	0.27	18
	24	6.08	4.43	11,626	12,543	12,118	0.62	4.26	0.20	0.18	0.21	0.21	0.22	0.51	0.25	18
	25	6.14	4.29	11,787	12,513	12,068	0.64	4.00	0.20	0.18	0.21	0.21	0.22	0.51	0.26	18
	26	5.89	4.15	13,643	12,556	13,309	0.57	2.99	0.19	0.18	0.20	0.21	0.22	0.54	0.27	17
	27	6.03	4.08	13,940	12,608	13,028	0.56	2.74	0.18	0.18	0.20	0.21	0.22	0.56	0.28	17
	28	6.11	4.05	12,913	12,619	12,603	0.55	2.47	0.17	0.18	0.20	0.21	0.23	0.57	0.28	17
	29	6.64	4.43	12,770	12,624	12,538	0.65	3.32	0.20	0.19	0.22	0.21	0.23	0.54	0.29	17
	30	6.8	4.67	12,471	12,619	12,337	0.76	3.74	0.21	0.19	0.24	0.21	0.22	0.47	0.29	16

Clifton Court Cl(mg/l)=200X EC - 25

e = Estimated

N.R. = No Record.

N.C. = Not computed due to insufficient data.

f = Excess Delta conditions with fish concerns.

r = Excess delta conditions with export/inflow ratio concerns.

s = Balanced water conditions with storage withdrawals.

dm = Daily Mean

md = Mean Daily

Table 34. Pesticides, Herbicides, and Other Organic Substances Detected In the SWP

September 2011

Sampling Location	Sample Date 1/	Chemical Detected	Concentration µg/l 2/
North Bay Aqueduct At Barker Slough Pumping Plant	September 21, 2011	None	
California Aqueduct At Banks Pumping Plant	September 21, 2011	None	
O'Niell Forebay Outlet Check 13	September 20, 2011	None	
Delta Mendota Canal At McCabe Road	September 20, 2011	None	
California Aqueduct Near Kettleman City (Check 21)	September 20, 2011	None	
California Aqueduct At Near Highway 119 (Check 29)	September 20, 2011	None	
California Aqueduct at Tehachapi Afterbay (Check 41)	September 21, 2011	None	
California Aqueduct At Devil Canyon Headworks	September 21, 2011	None	

1/ Locations are normally sampled during March, June, and September. Monthly reports will include data for the month in which samples were most recently taken.

2/ Micrograms per liter.

Table 35. Oroville and Delta Field Divisions Energy Data

(in kWh)

September 2011

Date	Oroville Thermalito Complex		Barker Slough Pumping Plant	Cordelia Pumping Plant Load	Banks Pumping Plant		South Bay Pumping Plant Load	Del Valle Pumping Plant Load
	Generation	Load			Total Load	SWP Load		
1	7,780,718	0	30,840	35,878	3,897,736	3,897,736	432,789	658
2	9,945,276	0	36,945	42,227	3,897,416	3,897,416	441,703	535
3	10,125,258	0	40,568	46,260	3,896,792	3,896,792	445,820	547
4	10,280,468	0	38,902	39,985	3,893,856	3,893,856	430,768	631
5	10,165,903	0	39,047	42,819	3,903,248	3,903,248	437,860	659
6	10,387,674	0	42,346	46,185	3,896,384	3,896,384	444,599	646
7	10,304,558	0	39,678	45,230	3,891,992	3,891,992	402,818	552
8	9,121,200	0	33,580	42,695	3,893,264	3,893,264	453,543	517
9	5,968,413	0	36,703	43,318	3,889,456	3,889,456	465,357	553
10	6,009,135	0	43,414	45,043	4,020,480	4,020,480	443,548	560
11	6,012,523	0	38,352	40,436	4,100,608	4,100,608	425,476	539
12	7,673,358	0	40,514	41,827	4,018,992	4,018,992	444,220	530
13	7,644,857	0	44,296	44,773	3,938,000	3,938,000	421,136	534
14	8,948,929	264	33,227	31,652	3,876,504	3,876,504	437,687	549
15	10,266,894	0	28,905	31,943	3,935,088	3,935,088	427,081	620
16	10,245,180	0	35,167	40,078	3,913,680	3,913,680	440,223	723
17	6,135,096	0	39,472	36,203	3,917,776	3,917,776	419,331	683
18	6,009,432	0	42,056	37,987	3,956,000	3,956,000	442,836	588
19	8,864,174	0	53,678	42,664	3,952,096	3,952,096	448,648	530
20	8,379,129	0	65,889	52,578	3,944,272	3,944,272	421,107	520
21	7,859,577	0	72,094	56,554	3,929,248	3,929,248	449,507	531
22	7,919,637	0	51,529	40,462	3,929,696	3,929,696	447,706	536
23	7,895,888	0	59,802	59,828	3,928,936	3,928,936	457,515	584
24	6,132,995	0	57,386	54,481	3,933,352	3,933,352	447,565	578
25	6,009,619	0	48,682	46,707	3,933,440	3,933,440	440,201	541
26	9,069,313	0	46,904	43,452	3,928,008	3,928,008	448,017	607
27	9,054,551	0	44,954	40,266	3,926,752	3,926,752	444,565	603
28	10,592,296	0	48,344	45,074	3,927,752	3,927,752	445,920	533
29	10,608,015	0	47,857	48,834	3,925,304	3,925,304	443,848	563
30	10,611,172	0	39,928	42,934	3,931,768	3,931,768	431,435	558
Total	256,021,238	264	1,321,056	1,308,374	117,927,896	117,927,896	13,182,824	17,307

Table 36. San Luis Field Division Energy Data

(in kWh)

September 2011

Date	Dos Amigos Pumping Plant		Gianelli Pumping-Generating Plant			
	Total Load	SWP Load 1/	Total Generation	SWP Generation 1/	Total Load	SWP Load 1/
1	2,227,441	1,899,441	0	0	20,746	20,746
2	2,614,793	2,286,793	877,932	-34,068	22	22
3	2,472,871	1,872,871	874,753	38,753	176	176
4	2,010,204	1,386,204	0	0	19,987	19,987
5	2,099,385	1,475,385	0	0	20,174	20,174
6	2,177,663	1,577,663	468,248	61,248	9,471	9,471
7	2,222,613	1,622,613	431,244	24,244	518,386	518,386
8	2,252,140	1,924,140	0	0	23,012	23,012
9	2,210,371	1,882,371	0	0	23,023	23,023
10	1,852,600	1,524,600	0	0	1,134,221	1,134,221
11	1,905,169	1,569,169	0	0	1,135,926	7,926
12	1,795,354	1,467,354	0	0	1,135,563	1,135,563
13	1,919,743	1,591,743	0	0	1,135,530	1,135,530
14	1,847,156	1,519,156	0	0	1,130,657	1,130,657
15	1,963,451	1,635,451	0	0	1,129,667	1,667
16	1,959,282	1,631,282	0	0	1,127,159	845,159
17	1,890,135	1,562,135	0	0	1,124,376	1,124,376
18	1,892,014	1,556,014	0	0	1,124,178	1,124,178
19	1,893,715	1,565,715	0	0	341,319	341,319
20	1,751,825	1,495,825	0	0	22,055	22,055
21	1,933,184	1,677,184	0	0	23,386	23,386
22	1,881,247	1,625,247	0	0	20,669	20,669
23	1,900,249	1,708,249	0	0	21,318	21,318
24	1,671,845	1,479,845	0	0	1,116,962	-11,038
25	1,788,745	1,572,745	0	0	1,130,393	2,393
26	1,836,686	1,644,686	0	0	1,129,865	1,865
27	1,796,137	1,604,137	0	0	1,130,250	1,130,250
28	1,769,650	1,577,650	0	0	1,128,281	281
29	1,844,186	1,652,186	0	0	1,128,490	846,490
30	1,888,558	1,696,558	0	0	1,108,657	-19,343
Total	59,268,413	49,284,413	2,652,177	90,177	19,113,919	10,653,919

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

Table 37. San Joaquin Field Division Plant Energy Load Data

(in kWh)

September 2011

Date	Coastal Branch					California Aqueduct			
	Las Perillas	Badger Hill	Devil's Den	Bluestone	Polonio	Buena Vista	Teerink	Chrisman	Edmonston
1	33,132	84,268	52,748	48,341	52,938	1,287,221	1,216,269	2,642,497	9,615,321
2	34,901	88,132	68,292	63,891	68,098	1,773,457	1,770,298	3,841,178	14,117,841
3	31,758	79,926	15,579	14,437	15,844	1,862,930	1,824,372	4,021,556	14,605,110
4	43,962	111,586	75,460	70,605	75,726	1,771,864	1,802,851	3,976,775	14,586,210
5	40,283	98,795	62,224	58,038	62,725	1,654,574	1,701,301	3,747,392	13,893,471
6	39,661	95,858	66,622	62,153	65,923	1,673,230	1,645,769	3,588,442	12,959,622
7	45,313	113,773	68,468	64,163	68,408	1,748,288	1,763,091	3,830,079	14,042,052
8	38,252	97,346	69,606	65,321	69,415	1,707,741	1,693,807	3,693,536	13,602,870
9	41,760	103,993	63,334	58,119	63,381	1,697,009	1,651,034	3,576,507	12,978,171
10	39,601	101,716	65,698	59,973	63,938	1,364,629	1,368,670	3,001,911	11,141,982
11	40,377	101,685	71,184	66,963	71,048	1,832,107	2,048,611	4,645,168	17,237,475
12	42,676	108,416	47,228	43,220	47,779	1,466,741	1,502,876	3,294,720	11,926,062
13	46,181	117,901	62,672	59,059	62,354	1,544,227	1,574,541	3,381,620	12,533,022
14	42,099	106,144	63,936	60,508	63,550	1,518,059	1,588,865	3,495,349	12,650,364
15	34,172	84,857	59,909	55,994	59,865	1,638,004	1,593,499	3,444,353	12,643,425
16	34,473	87,709	62,996	58,160	62,263	1,593,801	1,588,736	3,440,679	12,476,187
17	31,147	79,005	63,259	58,053	62,643	1,689,185	1,697,531	3,707,308	13,543,092
18	33,688	85,039	86,130	79,899	85,817	1,623,454	1,739,030	3,854,576	14,200,353
19	34,788	94,080	67,012	63,426	66,602	1,523,509	1,591,925	3,491,576	12,920,148
20	27,237	68,901	57,947	53,989	57,714	1,348,814	1,411,592	3,057,417	11,242,692
21	32,490	81,393	63,563	57,901	62,936	1,541,633	1,552,115	3,367,991	12,423,888
22	29,886	73,645	64,075	60,769	64,737	1,534,930	1,569,620	3,378,331	12,333,087
23	23,566	58,808	59,557	55,324	58,629	1,680,743	1,680,304	3,616,239	13,230,648
24	24,856	62,309	64,671	60,526	64,287	1,770,500	1,846,492	4,046,581	14,853,564
25	24,021	60,342	63,509	58,606	63,105	1,698,970	1,796,186	3,969,955	14,759,388
26	25,408	61,751	46,525	43,538	46,900	1,534,691	1,606,973	3,491,543	12,752,694
27	22,489	59,023	62,618	58,059	62,284	1,485,886	1,527,698	3,354,681	12,227,328
28	24,583	60,944	71,683	66,572	72,234	1,541,412	1,603,697	3,477,309	12,659,112
29	25,760	68,989	60,197	55,733	60,493	1,543,833	1,617,010	3,480,642	12,699,504
30	22,678	58,541	67,659	63,138	67,081	1,635,475	1,615,997	3,499,496	12,852,081
Total	1,011,196	2,554,873	1,874,360	1,744,479	1,868,716	48,286,915	49,190,760	107,415,407	393,706,764

Table 38. Southern Field Division Energy Data

(in kWh)

September 2011

Date	West Branch			East Branch				East Branch Extension		
	Oso Pumping Plant Load	Warne Powerplant Generation	Castaic Powerplant SWP Gen /1	Alamo Powerplant Generation	Pearblossom Pumping Plant Load	Devil Canyon Powerplant Generation	Mojave Siphon Powerplant Generation	Green spot Pumping Plant	Crafton Hills Pumping Plant	Cherry Valley Pumping Plant
1	315,813	922,169	1,488,000	317,466	1,839,058	4,333,180	197,380	50,568	67,316	4,345
2	464,953	921,939	1,488,000	309,540	2,524,202	4,237,790	260,164	44,120	59,147	4,337
3	532,121	896,881	1,488,000	309,359	2,615,843	4,286,678	287,665	37,472	50,163	4,345
4	489,602	870,280	1,488,000	309,522	2,740,692	4,432,298	294,508	37,810	50,156	4,346
5	514,168	872,678	1,488,000	309,992	2,736,881	4,265,370	293,261	37,190	50,142	4,340
6	365,564	874,109	1,488,000	310,648	2,732,823	4,685,796	292,240	37,363	50,256	4,373
7	439,583	872,743	1,488,000	311,223	2,737,588	4,472,863	290,540	37,385	50,279	4,414
8	395,686	870,707	1,488,000	311,339	2,743,401	4,680,169	292,154	37,430	50,171	4,405
9	313,074	880,640	1,488,000	311,037	2,661,695	4,952,635	288,566	36,840	49,907	4,335
10	266,272	914,906	1,488,000	293,817	2,274,728	4,865,886	254,503	35,400	49,377	4,282
11	670,076	879,115	1,488,000	328,625	2,628,233	4,853,376	283,730	35,381	49,358	4,176
12	382,028	899,951	1,416,000	328,632	2,516,323	3,947,605	285,856	35,570	49,427	4,199
13	307,753	913,883	1,416,000	316,337	2,783,551	3,629,588	273,274	35,889	49,443	4,233
14	282,311	903,285	1,416,000	313,937	2,676,480	3,903,113	297,522	37,490	49,408	4,207
15	344,828	921,869	1,416,000	320,957	2,688,882	3,637,602	288,414	47,162	49,398	4,212
16	420,861	919,526	1,416,000	308,777	2,344,025	3,838,828	255,702	48,153	49,405	4,156
17	495,770	902,019	1,416,000	327,254	2,307,416	4,142,138	246,486	47,994	49,347	4,111
18	463,859	913,264	1,416,000	319,622	2,776,411	3,914,860	287,601	46,836	49,461	4,195
19	452,057	890,544	1,440,000	310,322	2,337,745	4,300,646	269,912	45,908	49,520	4,291
20	404,674	907,875	1,440,000	310,706	2,299,060	4,305,989	265,745	52,217	49,478	4,274
21	340,190	903,636	1,440,000	310,146	2,304,615	4,345,592	247,256	47,342	49,746	4,308
22	328,980	909,519	1,440,000	318,105	2,483,099	4,247,489	270,995	38,070	50,024	4,321
23	281,140	915,484	1,440,000	315,322	2,703,321	4,055,782	291,005	37,497	50,066	4,343
24	447,014	910,872	1,440,000	317,414	2,676,088	4,134,236	293,937	37,201	49,968	4,299
25	516,281	893,184	1,440,000	316,583	2,788,998	4,281,826	297,707	36,609	49,909	4,156
26	308,257	907,416	1,440,000	77,228	2,790,309	4,201,981	299,261	36,391	49,958	4,197
27	337,754	910,880	1,440,000	0	2,609,901	4,274,122	296,524	36,624	50,059	4,313
28	334,769	909,743	1,440,000	102,515	2,649,278	4,561,553	298,059	36,558	50,027	4,330
29	613,068	908,709	1,440,000	221,015	1,736,528	4,212,140	201,276	23,125	32,073	4,301
30	350,351	902,081	1,440,000	322,588	2,593,312	3,634,628	276,797	31,519	42,071	4,293
Total	12,178,856	27,019,904	43,560,000	8,580,024	76,300,487	127,635,761	8,278,038	1,185,114	1,495,058	128,438

1/ Energy delivered to SWP by LADWP at Sylmar substation; not necessarily related to actual Castaic operations.